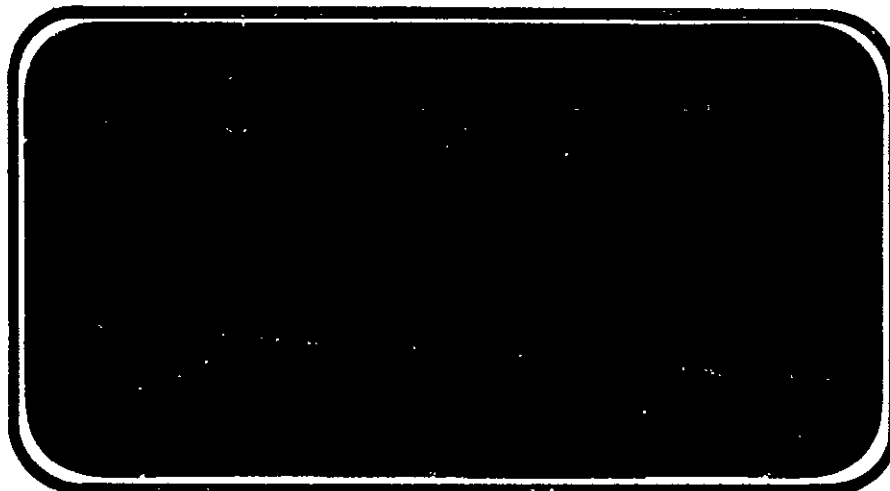




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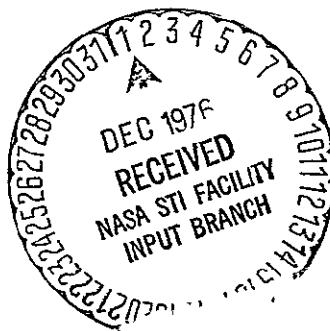


(NASA-CR-147641) MATED AERODYNAMIC
CHARACTERISTICS INVESTIGATION FOR THE 0.04
SCALE MODEL TE 1065 (BOEING 747-100) OF THE
747 CAM AND THE 0.0405 SCALE MODEL (43-0) OF
THE SPACE SHUTTLE ORBITER IN THE (Chrysler G3/16

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SPACE SHUTTLE

AEROTHERMODYNAMIC DATA REPORT



JOHNSON SPACE CENTER

HOUSTON, TEXAS

DATA MANAGEMENT services

SPACE DIVISION



CHRYSLER
CORPORATION

October 1976

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NASA CR-147,641

VOLUME 1

MATED AERODYNAMIC CHARACTERISTICS INVESTIGATION
FOR THE 0.04 SCALE MODEL TE 1065 (BOEING 747-100)
OF THE 747 CAM AND THE 0.0405 SCALE MODEL (43-0) OF
THE SPACE SHUTTLE ORBITER IN THE NASA LANGLEY
V/STOL TRANSITION RESEARCH WIND TUNNEL (CA8)

by

747 Aerodynamics, 747 Flight Controls
and Wind Tunnel Test Staff
The Boeing Co.

Prepared under NASA Contract Number NAS9-13247

by

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Chrysler Corporation Space Division
New Orleans, La. 70189

for

Engineering Analysis Division
Johnson Space Center
National Aeronautics and Space Administration
Houston, Texas

WIND TUNNEL TEST SPECIFICS:

Test Number: LaRC V/STOL 129
NASA Series Number: CA8
Model Number: TE 1065 (Boeing 747-100), 43-0 (ORBITER)
Test Dates: August 19 through September 11, 1975
Occupancy Hours: 268

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MATED AERODYNAMIC CHARACTERISTICS INVESTIGATION
FOR THE 0.04 SCALE MODEL TE 1065 (BOEING 747-100)
OF THE 747 CAM AND THE 0.0405 SCALE MODEL (43-0) OF
THE SPACE SHUTTLE ORBITER IN THE NASA LANGLEY
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ABSTRACT

This report contains data obtained in the NASA Langley V/STOL Transition Research Wind Tunnel on a 0.04 scale model of the 747 with a 0.0405 scale Orbiter Space Shuttle. The investigation included the effects of flap setting, stabilizer angle, elevator angle, ground proximity, and Orbiter tailcone fairing. Data were obtained in the pitch plane only. The test was run at $M = 0.15$, with a dynamic pressure of 35 psf.

Six static pressures were measured on each side of the 747 CAM nose to determine the effects of the Orbiter on the 747 airspeed and altitude indicators.

This report consists of 3 volumes of force data. They are arranged in the following manner.

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PLOTTED COEFFICIENTS SCHEDULE:

- A) C_L versus α_W , α_W versus C_m , C_L versus C_m , C_L versus C_D
- B) CP14, CP25, CP36 versus α_W
- C) C_L , C_D , C_m versus GROUND PLANE
- D) ΔC_L versus α_W , α_W versus ΔC_m , ΔC_L versus ΔC_m , ΔC_L versus ΔC_D
- E) ΔC_L , ΔC_D , ΔC_m versus GROUND PLANE
- F) C_L versus α_0 , α_0 versus C_m , C_L versus C_m , C_L versus C_D

NOMENCLATURE
General

<u>PLOT SYMBOL</u>	<u>MNEMONIC</u>	<u>DEFINITION</u>
a		speed of sound; m/sec, ft/sec
C_p	CP	pressure coefficient; $(P_1 - P_\infty)/q$
M	MACH	Mach number; V/a
p		pressure; N/m^2 , psf
q	$Q(NSM)$ $Q(PSF)$	dynamic pressure; $1/2\rho V^2$, N/m^2 , psf
RN/L	RN/L	unit Reynolds number; per m, per ft
V		velocity; m/sec, ft/sec
α	ALPHA	angle of attack, degrees
β	BETA	angle of sideslip, degrees
ψ	PSI	angle of yaw, degrees
ϕ	PHI	angle of roll, degrees
ρ		mass density; kg/m^3 , slugs/ft ³

Reference & C.G. Definitions

A_b		base area; m ² , ft ²
b	BREF	wing span or reference span; m, ft
c.g.		center of gravity
l_{REF} \bar{c}	LREF	reference length or wing mean aerodynamic chord; m, ft
S	SREF	wing area or reference area; m ² , ft ²
	MRP	moment reference point
	XMRP	moment reference point on X axis
	YMRP	moment reference point on Y axis
	ZMRP	moment reference point on Z axis

SUBSCRIPTS

b	base
l	local
s	static conditions
t	total conditions
∞	free stream

NOMENCLATURE
(Continued)

Orbiter Stability-Axis System

<u>PLOT SYMBOL</u>	<u>MNEMONIC</u>	<u>DEFINITION</u>
C_{L_o}	CL	lift coefficient; $\frac{\text{lift}}{qS}$
C_{D_o}	CD	drag coefficient; $\frac{\text{drag}}{qS}$
C_{Y_o}	CY	side-force coefficient; $\frac{\text{side force}}{qS}$
C_{D_b}	CDB	base-drag coefficient; $\frac{\text{base drag}}{qS}$
C_{D_f}	CDF	forebody drag coefficient; $C_{D_o} - C_{D_b}$
C_{m_o}	CIM	pitching-moment coefficient; $\frac{\text{pitching moment}}{qS l_{REF}}$
C_{n_o}	CLN	yawing-moment coefficient; $\frac{\text{yawing moment}}{qS b}$
C_{l_o}	CSL	rolling-moment coefficient; $\frac{\text{rolling moment}}{qS b}$
L/D	L/D	lift-to-drag ratio; C_L/C_D

NOMENCLATURE
(Continued)

747 Stability-Axis System

<u>PLOT</u> <u>SYMBOL</u>	<u>MNEMONIC</u>	<u>DEFINITION</u>
C_L	CL	lift coefficient; $\frac{\text{lift}}{qS}$
C_D	CD	drag coefficient; $\frac{\text{drag}}{qS}$
C_Y	CY	side-force coefficient; $\frac{\text{side force}}{qS}$
C_{D_b}	CDB	base-drag coefficient; $\frac{\text{base drag}}{qS}$
C_{D_f}	CDF	forebody drag coefficient; $C_D - C_{D_b}$
C_m	CIM	pitching-moment coefficient; $\frac{\text{pitching moment}}{qS l_{REF}}$
C_n	CLN	yawing-moment coefficient; $\frac{\text{yawing moment}}{qS b}$
C_l	CSL	rolling-moment coefficient; $\frac{\text{rolling moment}}{qS b}$
L/D	L/D	lift-to-drag ratio; C_L/C_D

NOMENCLATURE
(Additions to Standard List)

<u>PLOT SYMBOL</u>	<u>MNEMONIC</u>	<u>Definition</u>
BSTA		Carrier Fuselage station, in.
BWL		Carrier water line, in.
FS		Fuselage station, in.
GP	GP	Ground Height - Distance between $\frac{1}{4}$ MAC 747 CAM and the Ground Plane
H/B		Ground Height (GP) divided by 747 CAM wing span
i_{orb}	IORB	Orbiter incidence angle, degrees
MS		Model station, in.
S_i		Spoiler No. i deflection angle, deg.
S_{i-j}		Spoiler No. i through j deflection angle, deg.
WL		Waterline, in.
X_c	XC	Carrier longitudinal station, in.
X_o	XO	Orbiter longitudinal station, in.
Y_c	YC	Carrier lateral station, in.
Y_o	YO	Orbiter lateral station, in.
Z_c	ZC	Carrier vertical station, in. _____
Z_o	ZO	Orbiter vertical station, in.
α_c	ALPHAC	Carrier fuselage angle of attack, deg.
α_o	ALPHAO	Orbiter angle of attack, $\alpha_\phi = i_{ORB} - 2^\circ +$ $\alpha_w \Delta i_{ORB}$, deg.
α_w	ALPHAW	Carrier wing angle of attack, $\alpha_w = \alpha_c +$ 2° , deg.
β_c	BETAC	Carrier sideslip angle, deg.
β_o	BETAO	Orbiter sideslip angle, deg.
Δi_{ORB}	DIORB	Change in Orbiter incidence due to sup- port strut/balance deflections, deg.
δ_{EI}	ELV-IB	Carrier inboard elevator deflection, deg.
δ_{EO}	ELV-OB	Carrier outboard elevator deflection, deg.

NOMENCLATURE
(Additions to Standard List - Concluded)

<u>PLOT SYMBOL</u>	<u>MNEMONIC</u>	<u>Definition</u>
δ_E	ELEVON	Orbiter elevon deflection angle, deg.
δ_{BF}	BDFLAP	Orbiter body flap deflection angle, deg.
δ_{RL}	RUD-L	Carrier lower rudder panel deflection angle, deg.
δ_{RU}	RUD-U	Carrier upper rudder panel deflection angle, deg.
δ_R	RUDDER	Orbiter rudder deflection angle, deg.
δ_{SP}	SPOIL	Carrier spoiler deflection angle, deg.
δ_{WDP}	STAB	Carrier horizontal stabilizer deflection angle, with respect to wing, deg.
C_{P14}	CP14	Average of base pressures CP1 and CP4
C_{P25}	CP25	Average of base pressures CP2 and CP5
C_{P36}	CP36	Average of base pressures CP3 and CP6
	ELEVTR	Carrier elevator deflection angle, deg.

CONFIGURATIONS INVESTIGATED

The models tested included the 0.04 scale model of the basic 747 and the 0.0405 scale model Orbiter mounted to the 747 CAM in the ferry and four ALT configurations (Reference 2). The 747 CAM was not tested and only the ferry and ALT configurations were tested in ground proximity.

The 747 model represented the 747-100 (NASA N905NA) aircraft as closely as possible using existing model parts. The 747 model (AX12841-6) was mounted on the Boeing 635 balance which in turn was mounted to the Boeing 506 swept strut/sting mount. The Orbiter model was mounted to the Boeing 6176 balance which was mounted rigidly to the 747 model by one forward and two aft support struts (Figures 2g and 2h). Model installation photographs are shown in Figures 3a through 3g.

The 747 swept strut/sting is shown schematically in Figure 2i. The strut was located under the 747 for free air testing, from the top of the aft body of the 747 for free air testing, from the top of the aft body of the 747 for ground effects testing and from the top of the fuselage (same body station as belly strut mount) for tunnel upflow evaluations. The model was located approximately on the tunnel centerline for free air testing. For ground proximity effects testing, the model was located at approximately 4, 10, 30, 60, 95, and 135 feet (full scale) measured from the bottom of the aft wing wheels to the tunnel floor. This series of ground height tests was an expansion of the initial plan which required one ground height. Testing procedures required this type of run series to obtain data at minimum ground height for varying angles of attack.

CONFIGURATIONS INVESTIGATED (Concluded)

Trip strips were located on the orbiter and carrier models as shown in Figures 2j and 2k to insure a controlled turbulent boundary layer.

The carrier horizontal stabilizer angle was set by an electric motor installed in the carrier tail which was remotely controlled. A detailed description of all model parts is contained in Table III.

The basic configuration changes were orbiter on and off, orbiter incidence angles of 3° , 6° and 8° ; carrier flap settings of up, 10, 20 and 30; landing gear on and off; orbiter tailcone on and off; carrier stabilizer settings of $+2^\circ$ to -6° ; orbiter elevon settings of 0 and -5° ; carrier elevator angles of $17^\circ/17^\circ$, $10^\circ/10^\circ$, $1^\circ/1^\circ$, $-10^\circ/-10^\circ$, $-23^\circ/-23^\circ$; and the models in free air and ground proximity. A typical ground proximity test was conducted by setting the carrier angle of attack, lowering the model to close proximity to the tunnel floor and then raising the model to various heights above the floor (4 through 135 feet full scale).

The configurations tested are summarized below:

747 Alone

747/Orbiter - Ferry Configuration ($i_o = 3^\circ$)

747/Orbiter - ALT Configurations ($i_o = 6^\circ$, and 8° , T/C On and off)

747 Tested upright and inverted for tunnel upflow evaluation.

The model was mounted on a swept blade sting from below for free air testing and from a vertical tail location for ground proximity effect as shown in Figure 2i.

INSTRUMENTATION

Six component balances were used to measure 747 carrier and orbiter forces and moments. The 747 carrier was mounted on the Boeing 635 balance. The orbiter was mounted to the Boeing 6176 balance.

Six static pressure taps were located on the 747 fore-body (3 on each side) as shown in figure 28 to measure the orbiter effects on the air data system and sideslip angle indicator.

Three-quarter inch long yarn tufts were located on the 747 upper wing surface for some runs to allow observation of stall progression. The tufts were located approximately 1" apart both spanwise and chordwise. Two rows were parallel to the wing leading edge; the first row about 1/4" aft of the leading edge and the next row about 1" aft. Two spanwise rows were placed parallel to the wing trailing edge, the first row was near the trailing edge and the other row was 1 inch forward of the trailing edge. An additional row of tufts was put between the two forward and two aft rows and split the distance between them from the root to about half way out from the wing root. Two rows of tufts were located on the inboard flaps one row on the inboard aileron and one row on the outboard flaps. Two runs were conducted with the tufts. Photographs of flow patterns shown during these runs can be obtained from the aerodynamics analysis engineers.

TEST FACILITY DESCRIPTION

The Langley V/STOL facility is a closed circuit, single return, continuous flow, atmospheric type wind tunnel, which can be operated as a closed tunnel with slotted walls or as one or more open configurations by removing the side walls and ceiling. The speed in the 14.5 foot high by 21.75 foot wide by 50 foot long test section is variable from 0 to 200 knots. This tunnel has a contraction ratio of 9 to 12 and is powered by an 8000 hp. main drive.

This tunnel is capable of force, moment and pressure studies. A moving belt ground board with boundary layer suction and variable speed capabilities for operation at test section flow velocities can be installed for ground effects tests. A universal model support system utilizes a three joint rotary sting with $\pm 45^\circ$ of pitch, $\pm 45^\circ$ of yaw and 6 feet of vertical traverse. This system is mounted on a horizontal turntable with $\pm 165^\circ$ of rotation. Models can be powered with either high pressure air (15 lb/sec at 5,000 psia) or variable frequency electric systems. Data are recorded with 60 channels and reduced off site.

DATA REDUCTION

All aerodynamic forces and moments acting on the combined 747 and Orbiter, were reduced to stability axis coefficients using carrier reference dimensions and reference moment center (Figure 2f).

Subsequently, the data were corrected for

- . tunnel upflow
- . tunnel blockage
- . tunnel wall interference

In the following paragraphs, each of these wind tunnel corrections will be discussed in detail.

The upflow was measured in the LaRC V/STOL wind tunnel by testing the 747 model in the upright and inverted position at three different heights (87, 65 and 45 inches above the tunnel floor), and it was 0.15 degrees for all three heights. Therefore, all "free air" data, 747 as well as Orbiter, were corrected for an upflow of 0.15 degrees.

The "ground effect" data were also corrected for upflow, but the correction varied with height above the tunnel floor. As it was impossible to measure the upflow angle near the ground, it was decided to calculate the upflow angle. This was done by assuming that the upflow angle at the floor boundary layer displacement thickness was $d\delta^*/dx$ and that the upflow angle at the wall was zero. Furthermore, it was assumed that the upflow angle varied with height according to a power law. These assumptions led to the following expression for the upflow angle.

$$\Delta \alpha_u = 0.15 \frac{Y}{87} \frac{1}{10.96}$$

where: Y = the height of the 0.25 MAC of the 747 wing above the tunnel floor in inches.

The "ground effect" data were corrected by calculating the upflow angle for a given height of the 0.25 MAC of the 747 wing above the tunnel floor and applying this upflow angle to both the 747 carrier and the Orbiter.

All data were corrected for tunnel blockage effects (reference 3) by multiplying the measured dynamic pressure, q_{meas} , by a factor $(1 + 2 E_T)$ as shown on the next page.

DATA REDUCTION (Continued)

$$q_{\text{corr}} = q_{\text{meas}} (1 + 2 E_T)$$

where:

$$E_T = E_{SB} + E_{WB}$$

E_{SB} = solid blockage factor

E_{WB} = wake blockage factor

The solid blockage factor, E_{SB} , was 0.00108 for the 747 alone and 0.00141 for the 747/Orbiter configuration (using standard methods described in reference 3). These values include the 506 swept blade strut. The wake blockage factor, E_{WB} was determined as follows:

$$E_{WB} = \frac{1}{4} \frac{S}{C} C_{D_0} + 5 \frac{S}{4C} (C_{D_1} - C_{D_0} - C_{D_1})$$

$$\text{where: } C_{D_0} = C_{D_{\alpha_w=0}} - (0.04573 + A_2) C_{L_{\alpha_w=0}}$$

$$C_{D_1} = 0.04573 C_L^2 + A_2 C_{L_{\alpha_w=0}}^2$$

$$\text{where: } A_2 = 0 \text{ for flap up}$$

(reference 4)

$$A_2 = 0.03016 \text{ for flap down}$$

Both the "free-air" and "ground effect" data were corrected for wind tunnel wall interference using the following equation:

$$\Delta \alpha_w = \delta_{WC} \frac{S}{C} (57.295) C_{L_{\text{tail off}}}$$

However, the constant, δ_{WC} is 0.1157 for the free air data and δ_{WC} is a function of the model height for the "ground effect" data. These corrections apply for both the 747, the Orbiter, and the mated configurations.

For the horizontal tail, the wall interference correction is:

$$\Delta \alpha_t = - \delta_{WC} \frac{S}{C} (57.295) C_{L_{\text{tail off}}}$$

$$\text{where: } \delta_{WC} = 0.0062 \text{ for "free air" data}$$

$$\text{but: } \delta_{WC} = 0 \text{ for "ground effect" data}$$

DATA REDUCTION - (Continued)

The final data reduction was performed in two steps:

Step One: All aerodynamic coefficients were corrected for block-age effects as described above

Step Two: All aerodynamic coefficients were then recomputed by rotating the lift and drag coefficients through an angle $\Delta\alpha$ which is the sum of the wall induced upflow $\Delta\alpha_{WC}$ and the upflow $\Delta\alpha_u$ as described in the preceding paragraphs.

The corrected lift and drag coefficients are:

$$\begin{aligned} C_L &= C_{L_{meas}} \cos \Delta\alpha - C_{D_{meas}} \sin \Delta\alpha \\ C_D &= C_{D_{meas}} \cos \Delta\alpha + C_{L_{meas}} \sin \Delta\alpha \end{aligned}$$

The pitching moment coefficients are also corrected using the following equation:

$$C_M = C_{M_{meas}} + \Delta\alpha_t \frac{\partial C_m}{\partial \alpha}$$

Orbiter aerodynamic coefficients measured about the orbiter moment reference point were transferred to the carrier moment reference center. (See Figure 2f). The transfer distances used are a function of orbiter incidence angle (i_{orb}). Equations used in computing the X and Z coordinate transfer distances are given below:

$$\begin{aligned} X &= 10.684 - 9.477 \cos (27.336 + i_{orb}) \\ Z &= 8.368 + 9.477 \sin (27.336 + i_{orb}) \end{aligned}$$

All aerodynamic forces and moments were reduced to coefficient form in stability axis systems, utilizing carrier reference dimensions:

<u>Symbol</u>	<u>Description</u>	<u>Model Scale</u>	<u>Full Scale</u>
S	747 wing area, ft ²	8.8	5500
b	747 wing span, in.	93.92	2348
c	747 wing mean aerodynamic chord, in	13.112	327.8

DATA REDUCTION - (Concluded).

<u>Symbol</u>	<u>Description</u>	<u>Model Scale</u>	<u>Full Scale</u>
X _{MRP}	747 longitudinal moment reference point, in. X _c	53.596	1339.91
Y _{MRP}	747 lateral moment reference point, in. Y _c	0.0	0.0
Z _{MRP}	747 vertical moment reference point, in. Z _c	7.63	190.75
X _{MRB}	747 longitudinal balance moment center, in. X _c	54.596	1364.90
Y _{MRB}	747 lateral balance moment center in. Y _c	0.0	0.0
Z _{MRB}	747 vertical balance moment center, in. Z _c	9.25	231.25

Aerodynamic forces and moments measured by the Orbiter internal balance were reduced to coefficient form in stability axis systems utilizing Orbiter reference dimensions. Orbiter reference dimensions are:

<u>Symbol</u>	<u>Description</u>	<u>Model Scale</u>	<u>Full Scale</u>
S	Orbiter wing area, ft ²	4.412	2690
b	Orbiter wing span, in.	37.935	936.68
c̄	Orbiter wing mean aerodynamic chord, in.	19.230	474.81
X _{MRP}	Orbiter longitudinal moment reference, in. X _o	44.914*	1109.0
Y _{MRP}	Orbiter lateral moment reference point, in. Y _o	0.0*	0.0
Z _{MRP}	Orbiter vertical moment reference point, in. Z _o	15.188*	375.0

* Orbiter moment reference center is also Orbiter balance moment reference center.

Average base pressure coefficients were calculated as follows:

$$C_{p14} = (C_{p1} + C_{p4})/2$$

$$C_{p25} = (C_{p2} + C_{p5})/2$$

$$C_{p36} = (C_{p3} + C_{p6})/2$$

RESULTS AND DISCUSSION

The data from this test correlates well with existing free air low speed aerodynamic characteristics and has provided a data base to define low speed aerodynamic characteristics in pitch for mated CAM/Orbiter configurations for take off and landing and to define ground proximity effects. The use of faired Orbiter Support Struts instead of the current unfaired design does not significantly affect the pitch axis stability and control results obtained.

The significant test results affecting the performance, stability, and control characteristics of the 747 in combination with the Space Shuttle Orbiter configuration are:

- The maximum lift coefficients of the mated configurations are greater than of the 747 alone configurations and increase with increasing Orbiter incidence angle.
- The wing angle of attack of the mated configurations at lift-off is less than that of the corresponding configurations in free air (e.g. at $\overline{\text{Flap}} 10$; $1.3, \Delta\alpha = -1.8^\circ$). This ground effect is similar to that on the basic 747.
- The Orbiter has a small effect on the position error corrections for airspeed and altitude (less than 2 knots on the airspeed and less than 80 feet on altitude.)
- Static longitudinal stability is reduced at $\overline{\text{Flaps}} 20$ and 30 (up to $0.10 \bar{c}$ for Orbiter incidence $= 8^\circ$ with tailcone off) compared to the basic 747. This may affect the choice of aft c.g. for some AIT operations.
- Mated configuration stabilizer effectiveness is comparable to that of the basic 747. Effectiveness is reduced slightly with increasing Orbiter incidence.
- Trailing edge down elevator effectiveness is comparable to the basic 747 values. Trailing edge up elevator effectiveness is reduced up to 25% at $\overline{\text{Flaps}} 20$ and 30 for the highest Orbiter incidence angle of 8° . At this incidence angle there will be some loss of stabilizer mistrim takeoff capability. There is sufficient trailing edge up elevator

RESULTS AND DISCUSSION - (Concluded).

control for landing flare and go-around.

- Effect of ground proximity on mated configuration pitch characteristics and control effectiveness was found to be similar to that determined for the basic 747 from previous testing.
- The "pitch-up loop" at stall is slightly more adverse for the mated configurations than for the basic 747 for flap 30. Nose-down elevator authority is adequate to compensate for this additional nose-up pitching moment should an inadvertent stall occur.

REFERENCES

1. Boeing DTF CAM 75-0009 "Summary Preliminary CA8 Test Results," September 24, 1975
2. Louisse, J. Boeing Document D180-18382-1", "Pretest Information for Testing the 747/Orbiter in the NASA Langley V/STOL Transition Research Wind Tunnel," August 11, 1975
3. Pope, A "Low-Speed Wind Tunnel Testing" Chapter 5, John Wiley and Sons, Inc., New York/London.
4. T.L. Wimer "Principles and Operational Procedures of the UWAL Data Reduction Programs," UWAL Report IV-D, December 1966

TABLE I

[illegible]

TABLE II.

TEST : CA8(LRC VSTOL 120)				DATA SET/RUN NUMBER COLLATION SUMMARY										DATE : 0/16/75			
DATA SET IDENTIFIER	CONFIGURATION	CARRIER				ORBITER				MACH NUMBERS							
		α	β	δ	δ_e	δ_{orb}	δ_e	δ_{se}									
RJFO01	K ₁ V _{9.1.2} TS ₁	Δ	0	-	-												
02	H _{15.1}	\downarrow	\uparrow	3	0												
03	F ₁₀ TS ₂	Δ		-2	\uparrow												
04	F ₁₀ TS ₂	Δ		\uparrow	\downarrow												
05		\downarrow			17												
06		Δ			10												
07	LOOSE TAPE ON RH. STAB HL.				-10												
08					-10												
09				\downarrow	-23												
10				-4	0												
11				0	\uparrow												
12	\downarrow G _{5.3.5}	\downarrow		-2	\downarrow												
13	K ₁ V _{9.1.2} F ₃₀ H _{15.1}	Δ		-	-												
14	F ₂₀ H _{15.1}	\downarrow		-	-												
15	H _{15.1}	Δ		-6	0												
16		\downarrow		-4	\uparrow												
17		Δ		-2	\downarrow												
\downarrow 18	\downarrow G _{5.3.5V}	Δ	\downarrow	-2	\downarrow												
* R D/S (CARRIER DATA - CARRIER REFERENCE) 37 43 49 55 61 67(OR) GP 75 76																	
BETA IQ(L.P.F.) ICL ICD ICLM ICLN ICSL ICY MACH ALP HAW																	
α OR β SCHEDULES $\Delta \alpha = -2^\circ$ to 26° , $\Delta = 2^\circ$ COEFFICIENTS $\Delta \alpha = -2^\circ$ to 14° , $\Delta = 2^\circ$ & 14° to 26° , $\Delta = 1^\circ$																	

* Nominal Mach = 0.155 \pm 0.001 except d/s 366,367 Mach = 0.186. d/s 368,369 = 0.204

* P & T schedule of coefficients follow on the next two pages

K₁ = B29BW45M25M26N57N58T14 (Bottom support sting)

TABLE II. Continued

TEST: CA8(LRC VSTOL 129)				DATA SET/RUN NUMBER COLLATION SUMMARY										DATE: 0/16/75				
DATA SET IDENTIFIER	CONFIGURATION	CARRIER				ORPITER				MACH NUMBERS								
		α	β	δ	δ_e	δ_{OR}	δ_e	δ_{BF}										
RJF019	K1V9.1.2 F20 H15.1	Δ	0	-4	17													
20																		
21																		
22																		
23	K1V9.1.2 F30 H15.1 G5.3.5																	
24																		
25	LOOSE TAPE ON STAB																	
26																		
27																		
28				-6	0													
29				-4														
30	LOOSE TAPE ON STAB	Δ	2	-2														
31				-2														
32	K1V9.1.2 F30 G5.3.5			-	-													
33			8							NO DATA								
34		Δ	2															
35	K2V9.1.2 F30 H15.6.1 O1T5.2T5.4	Δ		-6	0	3	0	-11.7										
36				-6	0	3	0	-11.7										
P D/S (CARRIER NOSE19 PRESSURE DATA) 37 43 49 55 61 67 (OR) GP 75 76																		
BETA 10(P.S.F.) CP1 CP2 CP3 CP4 CP5 CP6 MACH ALPHA W																		
COEFFICIENTS 10VAR (1) 10VAR (2) NO J																		
α OR β																		
SCHEDULES																		

Nominal Mach = 0.155 ± 0.001 except d/s 366,367 Mach = 0.186, d/s 368,369 = 0.204

$$K_2 = K_1 + AT_{107} + AT_{111.4} \quad (\text{CAM kit for ferry})$$

TABLE II. Continued

TEST : CA8(LRC VSTOL 129)				DATA SET/RUN NUMBER COLLATION SUMMARY										DATE : 0/16/75			
DATA SET IDENTIFIER	CONFIGURATION	CARRIER				ORBITER				MACH NUMBERS							
		α	β	δ	δ_e	δ_{ORB}	δ_e	δ_{BF}									
RJFO37	K ₂ V _{9.1.2} F ₃₀ H _{15.4.1} G _{5.3.5}	△	0	-4	0	3	0	-11.7									
38	$\overbrace{O_1T_5T_5}^{T_5}$	△		-2	0												
39		△		-4	17												
40					10												
41					-10												
42					-23												
43	K ₂ V _{9.1.2} F ₃₀ G _{5.3.5} O ₁ T ₅ T ₅			-	-	Y											
44	K ₃			-	-	6											
45	$\overbrace{H_{15.4.1}}$			-4	0												
46	$\overbrace{\quad\quad\quad}$			0													
47				3													
48		△		-2	Y		Y										
49		△		-2	17		-5										
50					10												
51					-10												
52					-23												
53				-4	0												
Y 54	Y	△	Y	-2	0	Y	Y	Y									

IT DIS (ORBITER DATA TO ORBITER REFERENCE)										37	43	49	55	61	67(OR)GP	75 76
BETA, Q(PSE), ALPHA, CL										CD	CLM	CT	CLN	CSL	MACH	ALPHA, W
COEFFICIENTS										IDVAR (1) IDVAR (2) NOV						
α OR β																
SCHEDULES																

*Nominal Mach = 0.155 \pm 0.001 except d/s 366,367 Mach = 0.186, d/s 368,369 = 0.204

$$K_3 = K_1 + AT_{106} + AT_{111.3} \quad (\text{CAM kit for launch})$$

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TABLE II. Continued

TEST : CA8(LRC VSTOL 120)				DATA SET/RUN NUMBER COLLATION SUMMARY										DATE : 9/16/75								
DATA SET IDENTIFIER	CONFIGURATION	CARRIER				ORBITER			MACH NUMBERS													
		α	β	δ	δ_e	δ_{ORB}	δ_e	δ_{SF}														
RJF055	K3V9.1.2 F30 H15.6.1 G53.5.0 T55 T54	Δ	0	0	0	6	-5	-11.7														
56		Δ	Y	-	-	Y	Y	Y														
57		Δ		-	-	8																
58	H15.6.1	Δ		-4	0	Y																
59				0																		
60				-2	Y																	
61					17																	
62				-23		Y		Y														
63				-23		6		0														
64				-10		Y		Y														
65				10																		
66		Y		17																		
67		Δ		Y	0																	
68		Δ		-4																		
69				0																		
70	Y +55	Y		-2																		
71	K3V9.1.2 F30 H15.6.1 O2 T55 T54	Δ		-2	Y																	
Y 72		Δ	Y	-	-	Y	Y	Y														
		1	7	13	19	25	31	37	43	49	55	61	67	73	79	85	91	97				
COEFFICIENTS																			IDVAR (1)	IDVAR (2)	NDV	
α OR β																						
SCHEDULES																						

*Nominal Mach = 0.155 \pm 0.001 except d/s 366,367 Mach = 0.186, d/s 368,369 = 0.204

Asm. mSr. 4.1

TABLE II. Continued

TEST : CAB(LRC VSTOL 129)				DATA SET/RUN NUMBER COLLATION SUMMARY										DATE : 9/16/75					
DATA SET IDENTIFIER	CONFIGURATION	CARRIER				ORBITER			MACH NUMBERS										
		α	β	δ	δ_e	δ_{ORB}	δ_e	δ_{BF}											
RJF013	K ₃ V _{1.2} G _{5.3} F ₂₀ T ₅ O ₂ TS ₄	△	0	-	-	8	-5	0											
74	+H _{15.6.1}	△		-4	0														
75		△		-2															
76		△		0		Y													
77	F ₂₀	△		-2		6													
78	K ₃ V _{1.2} F ₂₀ H _{15.6.1} T ₅ O ₂ TS ₄	△		-4															
79	K ₃ V _{1.2} F ₂₀ H _{15.6.1} T ₅ O ₂ TS ₄	△		-2															
80		△		0															
81				3				Y											
82	O ₁ TS ₄	Y		-4				-11.7											
83		△		-2															
84		△		0	Y														
85	K ₃ V _{1.2} F ₂₀ T ₅ O ₁ TS ₄	△		-	-			Y											
86	O ₂			-	-	Y		0											
87	O ₁	Y		-	-	8		-11.7											
88	+H _{15.6.1}	△		3	0														
89				0															
Y 90		Y	Y	-4	Y	Y	Y	Y											
		1	7	13	19	25	31	37	43	49	55	61	67	73	76				
		COEFFICIENTS														IDVAR (1)	IDVAR (2)	NDV	
α OR β																			
SCHEDULES																			

*Nominal Mach = 0.155 \pm 0.001 except d/s 366,367 Mach = 0.186, d/s 368,369 = 0.204

TABLE II. Continued

TEST : CAB(LRC.VSTOL 129)		DATA SET/RUN NUMBER COLLATION SUMMARY							DATE : 0/16/75			
DATA SET IDENTIFIER	CONFIGURATION	CARRIER				ORBITER			MACH NUMBERS			
		α	β	δ	δ_e	δ_{ORB}	δ_e	δ_{BF}				
RJF091	$K_3 V_{1,1,2} F_{20} H_{15,6,1} T_{50} O, T_{54}$	Δ	0	-2	0	8	-5	-11.7				
092	\downarrow	Δ		-2	-23	8	-5					
093	K_2 \longleftarrow \longrightarrow	Δ		-2	0	3	0					
094	\longleftarrow \longrightarrow	Δ		-2								
095	\downarrow	Δ		-4								
096	\downarrow			-6	\downarrow							
097	\longleftarrow \longrightarrow			OFF	OFF							
098	\downarrow $H_{15,6,1}$ \downarrow			-4	-23							
099	\longleftarrow \longrightarrow				17	Y	Y	Y				
100	$K_{3,1}$ \longleftarrow \longrightarrow O_2				17	6	-5	0				
101	\longleftarrow \longrightarrow			V.	-23							
102	\longleftarrow F_{10} \longrightarrow			-2								
103	K_3 \longleftarrow \longrightarrow				\downarrow							
104	\longleftarrow \longrightarrow			\downarrow	17							
105	\longleftarrow \longrightarrow			OFF	OFF							
106	\longleftarrow $H_{15,6,1}$ \longrightarrow			-2	0							
107	\longleftarrow \longrightarrow			0								
Y 108	\downarrow	Y	Y	2	\downarrow	Y	Y	Y				

1756

756

67

61

55

49

43

37

31

25

19

13

7

1

COEFFICIENTS

IDVAR (1) IDVAR (2) NDV

α OR β

SCHEDULES

*Nominal Mach = 0.155 \pm 0.001 except d/s 366,367 Mach = 0.186, d/s 368,369 = 0.204

$$K_{3.1} = K_1 + AT_{106} + AT_{111.3} \quad (\text{Sting replacing vertical mounted from above})$$




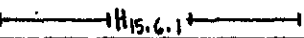
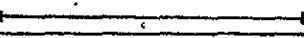
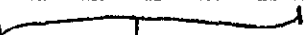

TABLE II. Continued

TEST : CA8(LRC VSTOL 129)		DATA SET/RUN NUMBER COLLATION SUMMARY										DATE : 9/16/75						
DATA SET IDENTIFIER	CONFIGURATION	CARRIER				ORBITER			MACH NUMBERS *									
		α	β	δ	δ_e	δ_{ORB}	δ_e	δ_{BF}										
R3F109	K ₃ V _{9.1,2} F ₁₀ H _{15.6.1} T ₅ O ₂ TS ₄ 95.3.5	△	0	0	0	6	-5	0										
110	— OFF 4.55					6	-5											
111	—			Y		8°												
112	—			-2														
113	—			2	Y													
114	K ₃ V _{9.1,2} F ₁₀ T ₅ O ₂ TS ₄			OFF	OFF	Y	Y	Y										
115	K ₂ —F ₃₀ —O ₁ —			↓	↓	3	0	-11.7										
116	K ₂ V _{9.1,2} H _{15.6.1} F ₁₀ T ₅ O ₂ TS ₄			3	0													
117	—			0														
118	—			-4														
119	—			-2	Y													
120	—				-23													
121	—TS ₆ —			↓	17													
122	K ₂ V _{9.1,2} F ₁₀ T ₅ O ₂ TS ₄			OFF	OFF													
123	—H _{15.6.1} T ₅ O ₂ TS ₄			-4	0													
124	—			-2														
125	—			0		Y												
Y 126	K ₃ —	Y	Y	-4	Y	6	Y	Y										
1 7 13 19 25 31 37 43 49 55 61 67 73 76																		
α OR β																		
SCHEDULES																		
COEFFICIENTS																		
IDVAR (1) IDVAR (2) NDV																		

*Nominal Mach = 0.155 ± 0.001 except d/s 366,367 Mach = 0.186. d/s 368,369 = 0.204

REPRODUCIBILITY OF THE
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TABLE II. Continued.

TEST : CA8(LRC VSTOL 129)			DATA SET/RUN NUMBER COLLATION SUMMARY										DATE : 0/16/75						
DATA SET IDENTIFIER	CONFIGURATION	CARRIER					ORBITER					MACH NUMBERS							
		α	β	GP	δ	δ_e	δ_{ORB}	δ_e	δ_{BF}										
RJF 127	K3V9.1.2 F ₀ H15.6.1 TS ₆ O.TS ₄	Δ	O		-2	O	6	O	-11.7										
128			T		O	O	T	T	T										
129					OFF	OFF			Y										
130					\downarrow	\downarrow			O										
131					-4	O			T										
132					O	T	Y		Y										
133	K2.1 H15.6.1 F ₃₀ G5.3.5 TS ₇ O.TS ₄	4		Δ	-2		3		-11.7										
134		6		T	T		T		T										
135		8																	
136		O																	
137		2																	
138		10																	
139		12																	
140		14																	
141		16			\downarrow														
142		O			-4														
143		2			T														
144		4	Y	Y	\downarrow	Y	Y	Y	Y										
<div><div>17</div><div>23</div><div>29</div><div>35</div><div>41</div><div>47</div><div>53</div><div>59</div><div>65</div><div>71</div><div>77</div></div>															IDVAR (1)		IDVAR (2)		NDV
<div><div>α OR β</div><div>SCHEDULES</div></div> <div>Δ GP = 2., 5., 14., 30., \neq 45.4 INCHES (GROUND Height)</div> <div>COEFFICIENTS</div>																			

*Nominal Mach = 0.155 \pm 0.001 except d/s 366, 367 Mach = 0.186, d/s 368, 369 = 0.204

$$K_{2.1} = K_1 + AT_{107} + AT_{111.4} \text{ (Sting replacing vertical mounted from above)}$$

TABLE II. Continued

TEST : CA8(LRC VSTOL 129)

DATE : 0/16/75

TABLE 11: CONTINUED

DATA SET/RUN NUMBER COLLATION SUMMARY

DATA SET IDENTIFIER	CONFIGURATION	CARRIER					ORBITER			MACH NUMBERS							
		α	β	GP	δ	δ_e	δ_{ORBI}	δ_e	δ_{BF}								
RJF145	K ₂₁ H15.41F80TS ₁₀ TS ₄ G53.5	6	0	4	-4	0	3	0	-11.7								
146		8	T	T	T	T	T	T	T								
147		10															
148		12															
149		14															
150		16			Y												
151		0			6												
152		4			T												
153		8															
154		6															
155		10															
156		12			Y	Y											
157		0			OFF	OFF											
158		4			T	T											
159		6															
160		8															
161		10															
162		12	Y	Y	Y	Y	Y	Y	Y								

1 7 13 19 25 31 37 43 49 55 61 67 75 76

COEFFICIENTS

IDVAR (1) IDVAR (2) NDV

α OR β

SCHEDULES

TEST RUN NUMBERS

*Nominal Mach = 0.155 ± 0.001 except a/s 366,367 Mach = 0.186. a/s 368,369 = 0.204

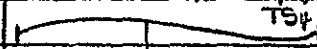


TABLE II. Continued

TEST : CA8(LRC VSTOL 129)			DATA SET/RUN NUMBER COLLATION SUMMARY										DATE : 9/16/75			
DATA SET IDENTIFIER	CONFIGURATION	CARRIER					ORBITER			MACH NUMBERS						
		α	β	GP	δ	δe	i_{ORB}	δc	δBF							
RJE 163	K ₂₁ F ₃₀ H ₁₅ G _{5.35} TS ₀ TS ₁	0	0	4	-4	-23	3	0	-11.7							
164		4	T	T	T	T	T	T	T							
165		6														
166		8														
167		10														
168		12			Y		Y	Y								
169	K ₂₁	0			-2		6	-5								
170		4			T		T	T								
171		6														
172		8														
173		10														
174		12			Y	Y										
175		4			0	0										
176		6			T	T										
177		8														
178		10														
179		12														
180		0	Y	Y	Y	Y	Y	Y	Y							
1 7 13 19 25 31 37 43 49 55 61 67 75 76																
		COEFFICIENTS										IDVAR (1)		IDVAR (2)	NDV	
α OR β																
SCHEDULES																

*Nominal Mach = 0.155 \pm 0.001 except d/s 366,367 Mach = 0.186, d/s 368,369 = 0.204

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TABLE II. Continued

TEST : CA8(LRC VSTOL 129)		DATA SET/RUN NUMBER COLLATION SUMMARY								DATE : 9/16/75					
DATA SET IDENTIFIER	CONFIGURATION	CARRIER					ORBITER			MACH NUMBERS					
		α	β	GP	δ	δ_e	δ_{ORB}	δ_e	δ_{BF}						
RJF 181	K31 F30 H15.1 G5.38 TS0	0	0	4	-2	0	6	-5	-11.7						
182		4	T	T	T	T	T	T	T						
183		6													
184		8													
185		10													
186		12			Y										
187		0			-4										
188		4													
189		6													
190		8													
191		10													
192	Y	12			Y	Y									
193		0			OFF	OFF									
194		4													
195		6													
196		8													
197		10													
198	Y	12	Y	Y	Y	Y	Y	Y	Y						
		1	7	13	19	25	31	37	43	49	55	61	67	73 76	
		COEFFICIENTS										IDVAR (1) IDVAR (2) NDV			
α OR β															
SCHEDULES															

*Nominal Mach = 0.155 \pm 0.001 except d/s 366,367 Mach = 0.186, d/s 368,369 = 0.204

11/24/75

TABLE II. Continued

TEST : CAB(LRC VSIOL 129)			DATA SET/RUN NUMBER COLLATION SUMMARY										DATE : 9/16/75			
DATA SET IDENTIFIER	CONFIGURATION	CARRIER					ORBITER					MACH NUMBERS				
		α	β	GP	δ	δ_e	δ_{ORB}	δ_c	δ_{BF}							
RJF 199	K3.1 F30 H15.6 G5.3.5 TS7.0 TS4	0	0	4	-2	17	6	-5	-11.7							
200		4														
201		6														
202		8														
203		10														
204		12				Y		Y								
205		0				0		0								
206		4				T		T								
207		6														
208		8														
209		10														
210	Y	12			Y			Y	Y							
211	← 0.2 →	0			-4			-5	0							
212		4			T			T	T							
213		6														
214		8														
215		10														
Y 216	Y	12	Y	Y	Y	Y	Y	Y	Y							

176

75

67

61

55

49

43

37

31

25

19

13

7

1

NDV

IDVAR (2)

IDVAR (1)

COEFFICIENTS

α OR β

SCHEDULES

*Nominal Mach = 0.155 ± 0.001 except d/s 366,367 Mach = 0.186, d/s 368,369 = 0.204

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TABLE II. Continued

TEST: CA8(LRC VSTOL 129)		DATA SET/RUN NUMBER COLLATION SUMMARY										DATE: 0/16/75			
DATA SET IDENTIFIER	CONFIGURATION	CARRIER					ORBITER					MACH NUMBERS			
		α	β	GP	δ	δe	δORB	δe	δBF						
RJF217	K ₃ 1F30 H15.6.1 G53.5 TS ₇ O ₂ TS ₄	0	0	4	-2	0	6	-5	0						
218		4	T	T	T	T	T	T	T						
219		6													
220		8													
221		10													
222		12			Y										
223		0			0										
224		4			T										
225		6													
226		8													
227		10													
228	Y	12			Y	Y									
229		0			OFF	OFF									
230		4													
231		6													
232		8													
233		10													
234	Y	12	Y	Y	Y	Y	Y	Y	Y						
		1	7	13	19	25	31	37	43	49	55	61	67	73	76
		COEFFICIENTS										IDVAR (1) IDVAR (2) NDV			
		α OR β SCHEDULES													

*Nominal Mach = 0.155 + 0.001 except a/s 366,367 Mach = 0.186. a/s 368,369 = 0.204

NAF

TABLE II. Continued

TEST : CAB(LRC VSTOL 129)		DATA SET/RUN NUMBER COLLATION SUMMARY										DATE : 0/16/75			
DATA SET IDENTIFIER	CONFIGURATION	CARRIER					ORBITER					MACH NUMBERS			
		α	β	GP	δ	δ_e	δ_{ORB}	δ_e	δ_{RF}						
RJF 235	K _{3.1} F _{3.0} H _{15.4} G _{5.3} TS ₀ TS ₄	0	0	Δ	-2	-23	6	-5	0						
Y 236		4	T	T	T	T	T	T	T						
237		6													
238		8													
239		10													
240		12					Y								
241		0					8								
242		4					T								
243		6													
244		8													
245		10													
246	Y	12			Y	Y									
247		0			OFF	OFF									
248		4			T	T									
249		6													
250		8													
251		10													
Y 252	Y	12	Y	Y	Y	Y	Y	Y	Y						
		7	13	19	25	31	37	43	49	55	61	67	73	76	
		COEFFICIENTS										IDVAR (1)	IDVAR (2)	NDV	
α OR β															
SCHEDULES															

*Nominal Mach = 0.155 \pm 0.001 except d/s 366,367 Mach = 0.186. d/s 368,369 = 0.204

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TABLE II. Continued

TEST : CA8(LRC VSTOL 129)		DATA SET/RUN NUMBER COLLATION SUMMARY										DATE : 9/16/75			
DATA SET IDENTIFIER	CONFIGURATION	CARRIER					ORBITER					MACH NUMBERS			
		α	β	GP	δ	δ_e	δ_{orb}	δ_o	δ_{bf}						
RJF253	K3.1F20G5.3.5H15.4.1TS10.2TS4	0	0	Δ	0	0	8	5	0						
254		4	T	T	T	T	T	T	T						
255		6													
256		8													
257		10													
258		12			Y										
259		0			-4										
260		4			T										
261		6													
262		8													
263		10													
264		12													
265		12			Y										
266		0			-2										
267		4			T										
268		6													
269		8													
270		10	Y	Y	Y	Y	Y	Y	Y						
		1	7	13	19	25	31	37	43	49	55	61	67	73	76
		ICVAR (1) ICVAR (2) NDV													
		COEFFICIENTS INCHES													
		$\Delta GP = 2, 5, 14, 30, 45, 4, \dagger MAX$													
		SCHEDULES													

*Nominal Mach = 0.155 \pm 0.001 except d/s 366,367 Mach = 0.186. d/s 368,369 = 0.204

NASA-MSC-MAF

TABLE II. Continued

TEST: CAB(LRC VSTOL 120)		DATA SET/RUN NUMBER COLLATION SUMMARY										DATE: 9/16/75			
DATA SET IDENTIFIER	CONFIGURATION	CARRIER					ORBITER					MACH NUMBERS			
		α	β	GP	δ	δ_e	δ_{ORB}	δ_e	δ_{BF}						
RJF271	K _{3.1} E _{3.0} G _{5.3.5} H _{15.4} I _{5.7} O ₂ TS ₄	12	0	Δ	-2	0	8	-5	0						
272		Δ	T	54	T	T	T	T	T						
273		0		Δ					-11.7						
274		4		T					T						
275		6													
276		8													
277		10													
278		12			Y										
279		0			-4										
280		4			T										
281		6													
282		8													
283		10													
284		12			Y										
285		0			0										
286		4			T										
287		6													
Y 288	Y	8	Y	Y	Y	Y	Y	Y	Y						
		1	7	13	19	25	31	37	43	49	55	61	67	75	76
		COEFFICIENTS										IDVAR (1) IDVAR (2) NDV			
		α OR β $\Delta \alpha = 4^\circ \pm 12^\circ \Delta = 2^\circ$													
		SCHEDULES													

*Nominal Mach = 0.155 \pm 0.001 except d/s 366,367 Mach = 0.186, d/s 368,369 = 0.204

TABLE II. Continued

TEST : CA8(LRC VSTOL 129)			DATA SET/RUN NUMBER COLLATION SUMMARY							DATE : 0/16/75						
DATA SET IDENTIFIER	CONFIGURATION	CARRIER					ORBITER			MACH NUMBERS						
		α	β	GP	δ	δe	δ_{ORB}	δe	δ_{RF}							
RJF289	K3.1 F30 G52.5 H15.6 I TS7 O. TS4	10	0	5	0	0	8	-5	-11.7							
290		12	T	T	T	T	T	T	T							
291		0			OFF	OFF										
292		4			T	T										
293		6														
294		8														
295		10														
296		12			Y	Y										
297	H15.6	0			-2	-23										
298		4			T	T										
299		6														
300		8														
301		10														
302		12														
303	O2	0														
304		4														
305		6														
Y 306		8	Y	Y	Y	Y	Y	Y	Y							
		1	7	13	19	25	31	37	43	49	55	61	67	73	76	
		COEFFICIENTS										IDVAR (1)		IDVAR (2)	NDV	
α OR β																
SCHEDULES																

*Nominal Mach = 0.155 \pm 0.001 except d/s 366,367 Mach = 0.186, d/s 368,369 = 0.204

INSTRUMENTS

TABLE II. Continued

TEST : CA8(LRC VSTOL 129)		DATA SET/RUN NUMBER COLLATION SUMMARY							DATE : 0/16/75				
DATA SET IDENTIFIER	CONFIGURATION	CARRIER					ORBITER			MACH NUMBERS			
		α	β	GP	δ	δe	δORB	δe	δBF				
RJF307	K ₂₁ F ₁₀ G _{53.5} H _{15.6} TS ₇₀ TS ₄	10	0	Δ 5	-2	-23	8	-5	0				
308		12	T	T	T	T	T	T	T				
309		0			OFF	OFF							
310		4			T	T							
311		6											
312		8											
313		10											
314		12			Y	Y							
315		0			-2	0							
316		4			T	T							
317		6											
318		8											
319		10											
320		12			Y	Y							
321		0			0	0							
322		4			T	T							
323		6											
324		8	Y	Y	Y	Y	Y	Y	Y				
1 7 13 19 25 31 37 43 49 55 61 67 75 76													
COEFFICIENTS													
IDVAR (1) IDVAR (2) NDV													
SCHEDULES													

*Nominal Mach = 0.155 \pm 0.001 except d/s 366,367 Mach = 0.186. d/s 368,369 = 0.204

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TABLE II. Continued

TEST : CA8(LRC VSTOL 129)		DATA SET/RUN NUMBER COLLATION SUMMARY										DATE : 0/16/75			
DATA SET IDENTIFIER	CONFIGURATION	CARRIER					ORBITER					MACH NUMBERS			
		α	β	GP	δ	δe	i_{ORB}	δr	δBF						
RJF 325	K3.1 F10 H13.6.1 G5.3.5 TS ₂ D ₂	10	0	5	0	0	8	-5	0						
326	TS ₄	12	T	T	T	T	T	T	T						
327		0			2										
328		4			T										
329		6													
330		8													
331		10													
332		12			Y		Y								
333		0			-2		6								
334		4			T		T								
335		6													
336		8													
337		10													
338		12			Y										
339		0			0										
340		4			T										
341		6													
Y 342	Y	8	Y	Y	Y	Y	Y	Y	Y						
		1	7	13	19	25	31	37	43	49	55	61	67	75 76	
		COEFFICIENTS										IDVAR (1)	IDVAR (2)	NDV	
α OR β															
SCHEDULES															

*Nominal Mach = 0.155 \pm 0.001 except d/s 366,367 Mach = 0.186. d/s 368,369 = 0.204

TABLE II. Continued

TEST : CA8(LRC.VSTOL 120)			DATA SET/RUN NUMBER COLLATION SUMMARY										DATE : 9/16/75				
DATA SET IDENTIFIER	CONFIGURATION	CARRIER					ORBITER					MACH NUMBERS					
		α	β	GP	δ	δe	δORB	δe	δRF								
RJF343	K ₃₁ F ₁₀ H _{15.6.1} G _{5.3.5} T ₃ D ₂ T ₃	10	0	Δ	0	0	6	-5	0								
344		12	T	T	T	T	T	T	T								
345		0			2												
346		4			T												
347		6															
348		8															
349		10															
350	Y	12			Y	Y											
351	-----	0			OFF	OFF											
352	-----	4			T	T											
353		6															
354		8															
355		10															
356	Y	12			Y	Y											
357	----- H _{15.6.1}	0			-2	-23											
358	-----	4			T	T											
359		6															
360	Y	8	Y	Y	Y	Y	Y	Y	Y								
1 7 13 19 25 31 37 43 49 55 61 67 73 76																	
COEFFICIENTS															IDVAR (1)	IDVAR (2)	NDV
α OR β																	
SCHEDULES																	

*Nominal Mach = 0.155 \pm 0.001 except d/s 366,367 Mach = 0.186, d/s 368,369 = 0.204

TABLE II. Continued

TEST : CA8(LRC VSTOL 129)			DATA SET/RUN NUMBER COLLATION SUMMARY										DATE : 9/16/75			
DATA SET IDENTIFIER	CONFIGURATION	CARRIER					ORBITER				MACH NUMBERS					
		α	β	GP	δ	δe	δorb	δc	δsf							
RJF 361	K _{3.1} F ₁₀ H _{15.6} G _{53.5} T _{57.0} T ₅₄	10	0	5	-2	-23	6	-5	0							
362		12	T	T	T	T	↓	↓	↓							
363	K _{2.1} ————— 10 ₁	0		Y		Y	3	0	-11.7	←	NO DATA	→				
364		7		44		0	T	T	T							
365		8		54		T										
366		7		44												
367		8		54												
368		7		44												
369		8		54												
370		9		44						←	NO DATA	→				
371	↓	9		T						←	NO DATA	→				
372	K _{2.1} F ₃₀ —————	9		Y			Y	Y		←	NO DATA	→				
373	K _{3.1} F ₂₀ —————	10		11			6	-5	Y							
374	K _{3.1} F ₁₀ ————— 10 ₂	0		12			T	T	0							
375		4		T					T							
376		6														
377		8														
378	↓	10	Y	Y	Y	Y	Y	Y	Y							
		1	7	13	19	25	31	37	43	49	55	61	67	73	76	
α OR β SCHEDULES		COEFFICIENTS														
7		α = 2, 3, 4, 6, 8°														
8		α = 4, 6, 8, 10, 12°														
9		α = 16° to 24° Δ = 2°														
10		α = 0 to 18° Δ = 2°														
11		γ _{GP} = 0/4.25", 2/35", 4/45.25", 16° to 18° AR (2) 16/45.4, 18/45"														
12		GP = 2.5, 10, 14, 18, 30, 45.4, * MAX														

*Nominal Mach = 0.155 ± 0.001 except d/s 366, 367 Mach = 0.186. d/s 368, 369 = 0.204

TABLE II. Continued

TEST: CAB(LRC VSTOL 129)		DATA SET/RUN NUMBER COLLATION SUMMARY										DATE: 9/16/75			
DATA SET IDENTIFIER	CONFIGURATION	CARRIER					ORBITER					MACH NUMBERS			
		α	β	GP	δ	δ_e	δ_{orb}	δ_e	δ_{BF}						
RJF379	K _{3.1} F ₁₀ H _{15.6} G _{5.3.5} TS _{10.2} TS ₁	12	0	Δ 12	-2	0	6	-5	0						
380	—	0	T	T	2	T	T	T	T						
381		4			T										
382		6													
383		8													
384		10													
385	↓	12		Y	Y	Y	Y	Y	Y						
386	K _{2.1} — 10.1 —	0		Δ 5	0	3	0	-11.7							
387	—	4		T	T	T	T	T							
388		6													
389		8													
390		10													
391		12													
392		0			-2										
393		4													
394		6													
395		8													
396	↓	10	Y	Y	Y	Y	Y	Y	Y						
<div>1 7 13 19 25 31 37 43 49 55 61 67 75 76</div> <div>α OR β _____ COEFFICIENTS IEVAR (1) IDVAR (2) NDV</div> <div>SCHEDULES _____</div>															

*Nominal Mach = 0.155 ± 0.001 except d/s 366,367 Mach = 0.186, d/s 368,369 = 0.204

TABLE II. Continued

TEST : CA8(LRC VSIOL 129)		DATA SET/RUN NUMBER COLLATION SUMMARY										DATE : 0/16/75			
DATA SET IDENTIFIER	CONFIGURATION	CARRIER					ORBITER					MACH NUMBERS			
		α	β	GP	δ	δ_e	δ_{ORB}	δ_o	δ_{RF}						
RJF397	K ₂ F ₁₀ H _{15.6} G _{5.35} T ₅ Q ₁ T ₅	12	0	5	-2	0	3	0	-11.7						
398		0	T	T	-4	T	T	T	T						
399		4													
400		6													
401		8			0										
402		10													
403		12													
404		0			OFF	OFF									
405		4			T	T									
406		6													
407		8													
408		10													
409		12													
410		0			-2	-23									
411		4			T	T									
412		6													
413		8													
414		10													

17131925313743495561677576

COEFFICIENTS

IEVAR (1) IDVAR (2) NDV

α OR β

SCHEDULES

*Nominal Mach = 0.155 \pm 0.001 except d/s 366,367 Mach = 0.186. d/s 368,369 = 0.204

TABLE II. Continued

TEST : CA8(LRC VSTOL 129)

DATE : 0/16/75

DATA SET/RUN NUMBER COLLATION SUMMARY

TABLE 11: CONTINUED

DATA SET IDENTIFIER	CONFIGUPATION	CARRIER					ORBITER			MACH NUMBERS				
		α	β	GP	δ	δ_e	δ_{orb}	δ_e	δ_{BF}					
RJF415	K _{1.1} F ₁₀ H _{15.6.1} G _{5.3.5} T _{5.0} T _{5.4}	12	0	5	-2	-23	3	0	-11.7					
Y 416		0	T	T	T	T	T	T	T					
417		4												
418		6												
419		8												
420		10												
421	Y	12			Y	Y								
422		0			OFF	OFF								
423		4			T									
424		6												
425		8												
426		10												
427	Y	12			Y	Y								
428		0			-6	0								
429		4			T	T								
430		6												
431		8												
Y 432	Y	10	Y	Y	Y	Y	Y	Y	Y					

17131925313743495561677576

COEFFICIENTS

IDVAR (1) IDVAR (2) NDV

α OR β

SCHEDULES

TEST RUN NUMBERS

TEST RUN NUMBERS

83

*Nominal Mach = 0.155 \pm 0.001 except d/s 366,367 Mach = 0.186. d/s 368,369 = 0.204

TABLE II. Continued

TEST : CA8(LRC VSTOL 129)			DATA SET/RUN NUMBER COLLATION SUMMARY							DATE : 9/16/75				
DATA SET IDENTIFIER	CONFIGURATION	CARRIER					ORBITER			MACH NUMBERS				
		α	β	GP	δ	δ_e	δ_{orb}	δ_c	δ_{BF}					
RJF433	K2.1 F20 H15.4.1 G53.5 TS7 ATS	12	0	5	-6	0	3	0	-11.7					
434		0	T	T	-4	T	T	T	T					
435		4			T									
436		6												
437		8												
438		10												
439		12			✓									
440		0			-2									
441		4			T									
442		6												
443		8												
444		10												
445	✓	12												
446	→ F36 →	0												
447	✓	4												
448		6												
449		8												
✓ 450	✓	10	✓	✓	✓	✓	✓	✓	✓					
1 7 13 19 25 31 37 43 49 55 61 67 75 76														
COEFFICIENTS														
IDVAR (1) IDVAR (2) NDV														
α OR β														
SCHEDULES														

*Nominal Mach = 0.155 ± 0.001 except d/s 366,367 Mach = 0.186, d/s 368,369 = 0.204

135.1137.

TABLE II. Continued

TEST: CAB(LRC VSTOL 129)		DATA SET/RUN NUMBER COLLATION SUMMARY										DATE: 9/16/75			
DATA SET IDENTIFIER	CONFIGURATION	CARRIER					ORBITER					MACH NUMBERS			
		α	β	GP	δ	δ_e	δ_{orb}	δ_e	δ_{BF}						
RJF 451	K _{2.1} F ₃₀ H _{15.6} G _{9.3} F ₇₀ TS ₄	12	0	5	-2	0	3	0	-11.7						
452	K _{3.1} F ₂₀	0	T	T	T	T	6	T	T						
453		4					T								
454		6													
455		8													
456		10													
457		12						Y							
458		0						-5							
459		4						T							
460		6													
461		8													
462		10													
463		12													
464		0													
465		4													
466		6													
467		8													
468		10	Y	Y	Y	Y	Y	Y	Y						
		1	7	13	19	25	31	37	43	49	55	61	67	73	76
		COEFFICIENTS										IDVAR (1)		IDVAR (2)	NDV
α OR β															
SCHEDULES															

*Nominal Mach = 0.155 \pm 0.001 except d/s 366,367 Mach = 0.186, d/s 368,369 = 0.204

TABLE II. Continued

TEST : CAB(LRC VSTOL 120)			DATA SET/RUN NUMBER COLLATION SUMMARY										DATE : 0/16/75				
DATA SET IDENTIFIER	CONFIGURATION	CARRIER					ORBITER			MACH NUMBERS							
		α	β	GP	δ	δ_e	δ_{ORB}	δ_e	δ_{EF}								
RJF 469	K-1 F20 H15.1 G535 T-0.15	12	0	5	-2	0	6	-5	-11.7								
470		0	T	T	-4	T	T	T	T								
471		4			T												
472		6															
473		8															
474		10															
475		12			Y												
476		0			0												
477		4			T												
478		6															
479		8															
480		10															
481	Y	12			Y												
482	—	0			OFF	OFF											
483	—	4			T	T											
484		6															
485		8															
486	Y	10	Y	Y	Y	Y	Y	Y	Y								
		1	7	13	19	25	31	37	43	49	55	61	67	73	76		
		COEFFICIENTS										IDVAR (1)		IDVAR (2)		NOV	
α OR β																	
SCHEDULES																	

*Nominal Mach = 0.155 \pm 0.001 except d/s 366,367 Mach = 0.186. d/s 368,369 = 0.204

NASA-MSFC-MAP

TABLE II. Continued

TEST : CA8(LRC VSTOL 129)			DATA SET/RUN NUMBER COLLATION SUMMARY							DATE : 0/16/75			
DATA SET IDENTIFIER	CONFIGURATION	CARRIER					ORBITER			MACH NUMBERS			
		α	β	GP	δ	δ_e	δ_{ORB}	δ_c	δ_{BF}				
RJF487	K _{8.1} F ₂₀ G _{53.5} TS ₇ D ₁ TS ₄	12	0	5	OFF	OFF	6	-5	-11.7				
488	H _{15.6}	0		T	-2	17	T	T	T				
489		4			T	T							
490		6											
491		8											
492		10											
493		12				Y							
494		0				23							
495		4				T							
496		6											
497		8		Y									
498		10		5+									
499		12		5			Y						
500		0		11.0			8						
501		4		13			T						
502		6		14									
503		8		13									
504		10	Y	14	Y	Y	Y	Y	Y				

1756

7675

6761

5561

4943

3743

3125

1925

1313

77

1

NDV

IDVAR (2)

IDVAR (1)

GP = 2 & 45.4 inches

14

COEFFICIENTS

GP = 2, 5, 14 & 45.4 inches

13

5+ = 5 + REPEAT @ 2, 5, 14 inches

14

α OR β SCHEDULES

*Nominal Mach = 0.155 + 0.001 except d/s 366,367 Mach = 0.186, d/s 368,369 = 0.204

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TABLE II. Continued

TEST : CA8(LRC VSTOL 12°)		DATA SET/RUN NUMBER COLLATION SUMMARY										DATE : 9/16/75				
DATA SET IDENTIFIER	CONFIGURATION	CARRIER					ORBITER			MACH NUMBERS						
		α	θ	GP	δ	δ_e	δ_{ORB}	δ_e	δ_{RF}							
RJF505	K _{1.2} F ₃₀ H _{15.1} G _{5.3.5} TS ₁ 0.TS ₄	12	0	15	-2	-23	8	-5	-11.7							
506		0	T	11.0	OFF	OFF	T	T	T							
507		4		13	T	T	-	-	-							
508		6		14												
509		8		13	Y	Y	Y	Y	Y							
510	K _{1.2} F ₃₀ H _{15.1} G _{5.3.5} TS ₂	10		65.0	-6	0	-	-	-							
511		T		T	-4	0										
512					-2	0										
513	K _{1.2} F ₃₀ G _{5.3.5} TS ₂				OFF	OFF										
514	K _{1.2} TS ₁			Y	T	T										
515				87.0												
516				45.0	Y	Y										
517				45.0	-2	0										
518				87.0	T	T										
519				65.0	Y											
520				T	0											
521	K _{1.2} H _{15.1} TS ₁				-4											
522	K _{1.2} H _{15.1} TS ₁ INVERTED	Y	Y	Y	Y	Y										
		1	7	13	19	25	31	37	43	49	55	61	67	73	76	
		COEFFICIENTS										IDVAR (1) IDVAR (2) NOV				
α OR β SCHEDULES																

*Nominal Mach = 0.155 \pm 0.001 except d/s 366,367 Mach = 0.186, d/s 368,369 = 0.204

K_{1.2} = B29BW45M25M26N57N58T14 (Sting mounted midbody from above)

TABLE II, Concluded

TEST : CA8(LRC VSTOL 129)		DATA SET/RUN NUMBER COLLATION SUMMARY										DATE : 0/16/75				
DATA SET IDENTIFIER	CONFIGURATION	CARRIER					ORBITER					MACH NUMBERS				
		α	β	GP	δ	δ_e	δ_{ORB}	δ_e	δ_{BF}							
RJF523	K1.2 H15.1 TS ₁ INVERTED	10	0	65	-2	0	-	-	-							
524	↓	T	T	87	-2	0										
525	↓			65	0	0										
526	K1.2 TS ₁ INVERTED			45	OFF	OFF										
527	↓			65	T	T										
528	↓			87												
529	K1.2 F30 TS ₂ INVERTED			65												
530	↓			87	Y	Y										
531	K1.2 H15.1 F30 TS ₂ INVERTED			65	-2	0										
532	↓			87	-2	T										
533	↓			65	-4											
534	↓			87	-4											
535	K1.2 H15.1 F30 TS ₄ INVERTED			T	-2											
536	↓	Y	Y	Y	-4	Y										

*Nominal Mach = 0.155 ± 0.001 except d/s 366,367 Mach = 0.186, d/s 368,369 = 0.204

NASA-2000-01-01

TABLE III. MODEL DIMENSIONAL DATA
a. Carrier

MODEL COMPONENT: AILERON - A₁

GENERAL DESCRIPTION: Inboard aileron extending from WBL 17.80 to 20.58.

747 MODEL SCALE: 0.040

MODEL 1065

DRAWING NO.: 65-71450

DIMENSIONS: (For 1 of 2 ailerons)	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Area - Ft ²		
Planform	<u>35.9</u>	<u>0.057</u>
Span (equivalent)	<u>5.79 FT</u>	<u>2.78 IN</u>
Chords:		
Inboard	<u>5.48 FT</u>	<u>2.632 IN</u>
Outboard	<u>7.34 FT</u>	<u>3.522 IN</u>

TABLE III a. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENTS: AILERON - A₂

GENERAL DESCRIPTION: Outboard aileron extending from WBL 33.96 to WBL 44.58

747 MODEL SCALE: 0.040 MODEL: 1065

DRAWING NO.: 65-71450

DIMENSIONS: (For 1 of 2 ailerons)	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
	<u>Feet</u>	<u>Inches</u>
Area - Ft ²		
Planform	<u>76.7</u>	<u>0.123</u>
Span (equivalent)	<u>22.12</u>	<u>10.62</u>
Chords:		
Inboard	<u>4.0</u>	<u>1.920</u>
Outboard	<u>2.9</u>	<u>1.392</u>

TABLE III a. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: ATTACH STRUCTURE - AT₁₀₆

GENERAL DESCRIPTION: Launch Configuration. A welded rod assembly to support forward part of Orbiter. Struts have a streamlined "gaiter" fairing with 18.2 in. chord. The strut terminals on the 747 have streamlined fairing.

MODEL SCALE: 0.04

DRAWING NO.: 747-MD-685. S O. 1284-192, -193 -196, -199, -200 -203,
-208 -211

DIMENSIONS:	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Attach Points on 747 i ₀ = 6°		
No. of struts	<u>4</u>	<u>4</u>
Diameter in. Main (2)	<u>8.5</u>	<u>.340</u>
Diameter in. Sway Braces (2)	<u>3.13</u>	<u>.125</u>
Location in.		
BS 747	<u>680</u>	<u>27.2</u>
BWL 747	<u>372</u>	<u>14.88</u>
BBL 747	<u>66.3</u>	<u>2.65</u>
Attach point on Orbiter		
BS 747	<u>684.87</u>	<u>27.40</u>
BWL 747	<u>512.61</u>	<u>20.50</u>
BBL	<u>0</u>	<u>0</u>
BS Orbiter	<u>388.15</u>	<u>15.526</u>
WL Orbiter	<u>283.11</u>	<u>11.32</u>

TABLE III a. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: ATTACH STRUCTURE - AT₁₀₇

GENERAL DESCRIPTION: Ferry Configuration. A welded rod assembly to support forward part of Orbiter - struts have a streamlined fairing with 18.33 inch chord. The strut terminals on the 747 and Orbiter have streamlined fairings.

MODEL SCALE: 0.040

DRAWING NO.: 747-MD-685 S.O. 1284-192, -193, -194, -198, -200, -203, -208
-211

DIMENSIONS:	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Attach point on 747: ($i_0 = 3^\circ$)		
Number of struts	<u>2</u>	<u>2</u>
Diameter, in. (Main 2)	<u>5.0</u>	<u>.200</u>
Location, In.		
BS 747	<u>680</u>	<u>27.2</u>
BWL 747	<u>372</u>	<u>14.88</u>
BBL 747	<u>66.3</u>	<u>2.65</u>
Attach point on Orbiter		
BS 747	<u>680.24</u>	<u>27.21</u>
BWL 747	<u>464.20</u>	<u>18.57</u>
BBL 747	<u>0</u>	<u>0</u>
BS Orbiter	<u>388.15</u>	<u>15.53</u>
WL Orbiter	<u>283.11</u>	<u>11.32</u>

TABLE III a. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: ATTACH STRUCTURE - AT_{111.3}

GENERAL DESCRIPTION: Launch Configuration. A welded rod assembly and fairing to support the aft part of Orbiter on the 747. Main struts and sway braces have streamlined fairings with following chords: Main - 78 in., R.H. Sway Brace 34.73 in., L.H. Sway Brace 18.05 in. Terminals on the 747 have streamlined fairings.

MODEL SCALE: 0.04

DRAWING NO.: 747-MD-686, S.O. 1284-201, -202, -206

DIMENSIONS:		<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Attach points on 747			
Number of Struts		<u>6</u>	<u>6</u>
Diameter In.	Fwd. Legs (2)	<u>12</u>	<u>.48</u>
	Aft Legs (2)	<u>12</u>	<u>.48</u>
	R.H. Sway Brace	<u>6.25</u>	<u>.25</u>
	L.H. Sway Brace	<u>3.25</u>	<u>.13</u>
Location In.			
	BS 747	<u>1445.3</u>	<u>57.81</u>
Fwd.	BWL 747	<u>322.98</u>	<u>12.92</u>
	BBL 747	<u>96.5</u>	<u>3.86</u>
	BS 747	<u>1607</u>	<u>64.28</u>
	BWL 747	<u>329.0</u>	<u>13.16</u>
	BBL 747	<u>96.5</u>	<u>3.86</u>
Attach point on Orbiter			
	BS 747	<u>1607</u>	<u>64.28</u>
	BWL 747	<u>400</u>	<u>16.00</u>
	BBL 747	<u>96.5</u>	<u>3.86</u>
	BS Orbiter	<u>1317</u>	<u>52.68</u>
	WL Orbiter	<u>267.50</u>	<u>10.70</u>

C-2

TABLE III a. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: ATTACH STRUCTURE - AT_{111.4}

GENERAL DESCRIPTION: Ferry Configuration. A welded rod assembly and fairing to support the aft part of Orbiter on the 747. Main struts and sway brace have streamlined fairings with following chords:

Main - 78 in., R.H. sway brace 34.73 in., terminal on the 747 have streamlined fairings.

MODEL SCALE: 0.04

DRAWING NO. 747-MD-686, S.O. 1284-201, -202, -206

DIMENSIONS:		<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Attach points on 747			
Number of struts		<u>6</u>	<u>6</u>
Diameter In.	Fwd. Legs (2)	<u>12</u>	<u>.48</u>
	Aft Legs (2)	<u>12</u>	<u>.48</u>
	R.H. Sway Brace	<u>6.25</u>	<u>.25</u>
Location In.			
Fwd.	BS 747	<u>1445.3</u>	<u>57.81</u>
	BWL 747	<u>322.98</u>	<u>12.92</u>
	BBL 747	<u>96.5</u>	<u>3.86</u>
Aft	BS 747	<u>1607</u>	<u>64.28</u>
	BWL 747	<u>329.0</u>	<u>13.16</u>
	BBL 747	<u>96.5</u>	<u>3.86</u>
Attach point on Orbiter			
	BS 747	<u>1607</u>	<u>64.28</u>
	BWL 747	<u>400</u>	<u>16.00</u>
	BBL 747	<u>96.5</u>	<u>3.86</u>
	BS Orbiter	<u>1317</u>	<u>52.68</u>
	WL Orbiter	<u>267.50</u>	<u>10.70</u>

TABLE III a. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: BODY - B29B

GENERAL DESCRIPTION: Fuselage for the 747-100/200 airplane

Body spar places V-9.1.2 1/4 MAC at MS 101.197 and WL 21.12

Incidence block locates W45 1/4 MAC at MS 53.596. WL 7.63 and BL 19.614

747 MODEL SCALE: 0.040 MODEL: 1065

DRAWING NO.: 65-71436. S.O. 1284-175, -182

DIMENSIONS:	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
	<u>Feet</u>	<u>Inches</u>
Length	<u>225.17</u>	<u>108.08</u>
Max. Width	<u>22.71</u>	<u>10.90</u>
Max. Depth Height	<u>25.52</u>	<u>12.25</u>
Fineness Ratio	<u>10.57</u>	<u>10.57</u>

TABLE III a. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: FLAP - F8.1

GENERAL DESCRIPTION: Inboard, double slotted trailing edge flap extending from WBL 5.138 to WBL 17.800. Used for 10° and 20° flap deflections.

747 (MODEL SCALE: 0.040) MODEL: 1065

DRAWING NO.: S.O. 1065-43, -45, -85, -194

DIMENSIONS:	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
	<u>Feet</u>	<u>Inches</u>
Span (equivalent)	<u>26.38</u>	<u>12.662</u>
Main flap chord	<u>8.83</u>	<u>4.24</u>
Fore flap chord	<u>3.42</u>	<u>1.64</u>

TABLE III a. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: FLAP - F_{8.2}

GENERAL DESCRIPTION: Outboard, double slotted trailing edge flap extending from WBL 20.60 to WBL 32.88. Used for 10° and 20° flap deflections.

747 MODEL SCALE: 0.040

MODEL: 1065

DRAWING NO.: S.O. 1065-32, -33, -89, -135, -192, -193

DIMENSIONS:	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
	<u>Feet</u>	<u>Inches</u>
Span (equivalent)	<u>25.58</u>	<u>12.28</u>
Main flap:		
Inb'd equivalent chord	<u>6.90</u>	<u>3.313</u>
Outb'd equivalent chord	<u>5.15</u>	<u>2.47</u>
Fore flap:		
Inb'd equivalent chord	<u>2.5</u>	<u>1.20</u>
Outb'd equivalent chord	<u>2.04</u>	<u>0.98</u>

TABLE III a. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: FLAP - F9.1

GENERAL DESCRIPTION: Inboard triple slotted trailing edge flap
extending from WBL 51.38 to WBL 17.800. Used for 30° flap deflection.

747 MODEL SCALE: 0.040

MODEL: 1065

DRAWING NO.: S.O. 1065-43 -45, -123

DIMENSIONS:	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
	<u>Feet</u>	<u>Inches</u>
Span (equivalent)	<u>26.38</u>	<u>12.662</u>
Chord (equivalent)		
Main Flap	<u>8.83</u>	<u>4.24</u>
Fore Flap	<u>3.42</u>	<u>1.640</u>
Aft Flap	<u>3.52</u>	<u>1.688</u>

TABLE III a. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: FLAP - F9.2

GENERAL DESCRIPTION: Outboard triple slotted trailing edge flap extending from WBL 20.60 to WBL 32.88. Used for 30° flap deflection.

747 MODEL SCALE: 0.040 MODEL: 1065

DRAWING NO.: S.O. 1065-32, -33, -123

DIMENSIONS:	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
	<u>Feet</u>	<u>Inches</u>
Span (equivalent)	<u>25.58</u>	<u>12.28</u>
Chord (equivalent)		
Main flap		
Inboard	<u>6.90</u>	<u>3.313</u>
Outboard	<u>5.15</u>	<u>2.470</u>
Fore flap		
Inboard	<u>2.50</u>	<u>1.200</u>
Outboard	<u>2.04</u>	<u>0.980</u>
Aft flap		
Inboard	<u>2.79</u>	<u>1.341</u>
Outboard	<u>2.03</u>	<u>.974</u>

TABLE III a. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: LANDING GEAR - G5.3.5

GENERAL DESCRIPTION: Landing Gear; Full Length Struts, Oleo Extended,
all Doors On. Mounting Brackets All Flush With Body

MODEL SCALE: 0.40

MODEL: 1065

DRAWING NUMBER: S.O. 1065-103, -104, -105, -108, -196, 1284-197

DIMENSIONS:

MODEL SCALELANDING GEAR
STRUT

	Nose	Main Wing	Main Body
Number	1	2	2
Diameter in.	.5	.5	.5
Length in.			
Exposed	4.0	6.12	3.47
Pivot Point to Wheel Axis	3.67	5.72	3.07

WHEELS

Number	2	8	8
Diameter in.	1.84	1.84	1.84
Width in.	.64	.64	.64
Axis Location in.			
B.S.	15.60	53.70	58.50
B.L.	0	8.68	3.00
W.L.	.49	.16	.16

DOORS

Side

Number	2	2	2(inbd)	2(outbd)
Length in.	2.45	2.32	3.66	1.56
Height in.	.94	3.89	2.32	.92

TABLE III a. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: HORIZONTAL - H_{15.1}

GENERAL DESCRIPTION: Swept leading edge horizontal tail mounted on the fuselage with the variable incidence pivot axis located at MS 103.76 and WL 11.70

747 MODEL SCALE: 0.040

MODEL: 1065

DRAWING NUMBER: 65-74129

DIMENSIONS:

	<u>FULL SCALE</u> <u>Feet</u>	<u>MODEL SCALE</u> <u>Inches</u>
TOTAL DATA		
Area		
Planform	<u>1470.0 sq.ft.</u>	<u>2.35 sq.ft.</u>
Span (equivalent)	<u>72.75</u>	<u>34.92</u>
Aspect Ratio	<u>3.6</u>	<u>3.6</u>
Taper Ratio	<u>0.25</u>	<u>0.25</u>
Dihedral Angle, degrees	<u>7</u>	<u>7</u>
Incidence Angle, degrees	<u>VARIABLE</u>	<u>VARIABLE</u>
Sweep Back Angles, degrees		
Leading Edge	<u>43</u>	<u>43</u>
Trailing Edge		
0.25 Element Line	<u>37.5</u>	<u>37.5</u>
Chords:		
Root (Wing Sta. 0.0)	<u>32.33</u>	<u>15.520</u>
Tip, (equivalent)	<u>7.92</u>	<u>3.802</u>
MAC	<u>271.6 in.</u>	<u>10.864</u>
Fus. Sta. of .25 MAC	<u>2564 in.</u>	<u>102.56</u>
W.P. of .25 MAC	<u>311.25 in.</u>	<u>12.45</u>
B.L. of .25 MAC	<u>178.30 in.</u>	<u>7.132</u>

TABLE III a. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: HORIZONTAL - H15.6.1

GENERAL DESCRIPTION: H15.1 with 200 sq. ft. tip fins mounted on the horizontal at HBL 17.22 in vertical plane at BBL 17.09 with a streamlined strut fairing.

747 MODEL SCALE: 0.040 MODEL: 1065, 1284

DRAWING NO.: S.O. 1284-78, -80, -70, -187

DIMENSIONS: (One fin)	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
	<u>Feet</u>	<u>Inches</u>
Area	<u>200 sq. ft.</u>	<u>46.1 sq. in.</u>
Chord	<u>9.54</u>	<u>4.582</u>
Span	<u>20.96</u>	<u>10.06</u>
Max. Thickness	<u>0.86</u>	<u>0.412</u>
Strut Fairing		
Chord	<u>2.64</u>	<u>1.267</u>
Thickness	<u>.40</u>	<u>.190</u>

TABLE III a. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: SLAT - J_{11.10.2}

GENERAL DESCRIPTION: Leading edge flap located between the inboard and outboard nacelle struts. The outboard end was sealed to the outboard nacelle strut with wax.

747 MODEL SCALE: 0.040 MODEL: 1065

DRAWING NO.: S.O. 1065-64, -96, -127

DIMENSIONS:	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
	<u>Feet</u>	<u>Inches</u>
Span (equivalent)	<u>30.33</u>	<u>14.56</u>
Equivalent chord	<u>2.63</u>	<u>1.263</u>

TABLE III a. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: SLAT - J_{13.8.1}

GENERAL DESCRIPTION: Leading edge flap located between the outboard nacelle strut and the wing tip. (WBL 6.491 to WBL 45.696.)

727 MODEL SCALE: 0.040 MODEL: 1065

DRAWING NO.: S.O. 1065-65, 96-133

DIMENSIONS:	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
	<u>Feet</u>	<u>Inches</u>
Span (equivalent)	<u>19.18</u>	<u>9.205</u>
Equivalent chord	<u>2.0</u>	<u>0.964</u>

TABLE III a. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: KRUEGER - L_{9.8.3}

GENERAL DESCRIPTION: Inboard leading edge Krueger extending from WBL 9.763 to inboard nacelle strut.

747 MODEL SCALE: 0.040 MODEL: 1065

DRAWING NO.: S.O. 1065-75, -76, -77, -82, -131

DIMENSIONS:	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
	<u>Feet</u>	<u>Inches</u>
Span (equivalent)	<u>18.83</u>	<u>9.037</u>
Inb'd equivalent chord	<u>2.46</u>	<u>1.183</u>
Outb'd equivalent chord	<u>2.63</u>	<u>1.261</u>
Twist Deg.	<u>9</u>	<u>9</u>

TABLE III a. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: NACELLE STRUT - M₂₅

GENERAL DESCRIPTION: Inboard nacelle strut located at WBL 18.80 at the wing leading edge.

747 MODEL SCALE: 0.040 MODEL: 1065

DRAWING NO.: S.O. 1065-31, -42, -46

DIMENSIONS:	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Canted inboard, deg.	<u>2</u>	<u>2</u>
For use with		<u>N₅₇ & N₇₇</u>
WBL location		<u>18.800</u>

TABLE III a. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: NACELLE STRUT - M₂₆

GENERAL DESCRIPTION: Outboard nacelle strut located at the wing leading edge.

747 MODEL SCALE: 0.040

MODEL: 1065

DRAWING NO.: S.O. 1065-31, -42, -46, -350

DIMENSIONS:	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Canted inboard, deg.	<u>2</u>	<u>2</u>
WBL location		<u>33.360</u>
For use with		<u>N₅₇ & N₇₈</u>

TABLE III a. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: NACELLE - N₅₇

GENERAL DESCRIPTION: Flow-through inboard 747-100 nacelle mounted on nacelle strut at WBL 19.761. Nacelle centerline canted inboard 2°.

747 MODEL SCALE: 0.040 MODEL: 1065

DRAWING NUMBER: S.O. 1065-15, -46, -314, -315

<u>DIMENSIONS: - FT.</u>	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Length:		
Cowl	<u>8.6</u>	<u>.344</u>
Cowl + Engine	<u>17.9</u>	<u>.716</u>
Max diameter	<u>8.5</u>	<u>.340</u>
Hilite diameter	<u>7.3</u>	<u>.292</u>

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TABLE III a. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: NACELLE - N₅₈

GENERAL DESCRIPTION: Flow-through outboard 747-100 nacelle mounted on strut at WBL 33.960. Nacelle centerline cented 2° inboard.

MODEL SCALE: 0.040 MODEL: 1065

DRAWING NUMBER: S.O. 1065-15, -46, -314, -315

<u>DIMENSIONS: - FT.</u>	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Length:		
Cowl	<u>8.6</u>	<u>.344</u>
Cowl + Engine	<u>17.9</u>	<u>.716</u>
Max diameter	<u>8.5</u>	<u>.340</u>
Hilite diameter	<u>7.3</u>	<u>.292</u>

TABLE III a. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: SPOILERS - S_{1-12}

GENERAL DESCRIPTION: Multi-panel flight spoilers. Four outboard and two inboard spoilers per side. Subscript denotes spoiler panel S_1 is the most outboard L.H. panel and S_{12} is most outboard R.H. panel.

747 MODEL SCALE: 0.040 MODEL: 1065

DRAWING NO.: 65-71450, S.O. 1065-51, -59, -81, -173

DIMENSIONS: (One panel)	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
	<u>Feet</u>	<u>Inches</u>
Outboard S_{1-4} and S_{9-12} (Ft ²)	<u>21.48</u>	<u>0.034</u>
Span (equivalent)	<u>6.25</u>	<u>3.00</u>
Chord	<u>3.44</u>	<u>1.65</u>
Inboard S_{5-6} and S_{7-8} (Ft ²)	<u>35.31</u>	<u>.0565</u>
Span (equivalent)	<u>7.50</u>	<u>3.60</u>
Chord	<u>4.71</u>	<u>2.26</u>

TABLE III a. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: FLAP TRACK FAIRING - T₁₄

GENERAL DESCRIPTION: Fairings located at WBL 9.408, 14.120, 23.299 and 29.753.

747 MODEL SCALE: 0.040 MODEL: 1065

DRAWING NO.: S.O. 1065-84, -124, -135

DIMENSIONS:	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
	<u>Inches</u>	<u>Inches</u>
WBL locations	<u>235.2</u>	<u>9.408</u>
	<u>353.0</u>	<u>14.120</u>
	<u>584.98</u>	<u>23.399</u>
	<u>743.83</u>	<u>29.753</u>
Use with clean wing and		<u>F8.1</u>
		<u>F8.2</u>
		<u>F9.1</u>
		<u>F9.2</u>

TABLE III a. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: VERTICAL - V9.1.2

GENERAL DESCRIPTION: Swept vertical tail mounted on fuselage center-line.

MODEL SCALE: 0.040

DRAWING NUMBER: 65-74142, S.O. 1065-6, -359, -426, S.O. 1284-182

DIMENSIONS:	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
TOTAL DATA		
Area (Theo) - Ft^2	<u>830</u>	<u>1.328</u>
Planform		
Span (Theo) - In.	<u>386.50</u>	<u>15.46</u>
Aspect Ratio	<u>1.25</u>	<u>1.25</u>
Taper Ratio	<u>0.34</u>	<u>0.34</u>
Sweep-Back Angles, Degrees		
Leading Edge	<u>50.125</u>	<u>50.125</u>
Trailing Edge	<u>67.813</u>	<u>67.813</u>
Chords:		
Root (Theo) WP	<u>461.55</u>	<u>18.478</u>
Tip (Theo) WP	<u>156.93</u>	<u>6.277</u>
MAC	<u>334.16</u>	<u>13.37</u>
Fus. Sta. of .25 MAC	<u>2529.91</u>	<u>101.197</u>
W.L. of .25 MAC	<u>528.0</u>	<u>21.12</u>
B.L. of .25 MAC	<u>0</u>	<u>0</u>

TABLE III a. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: WING W₄₅

GENERAL DESCRIPTION: Swept wing of the 747-100 Airplane

747 MODEL SCALE: .040 MODEL: 1065

DRAWING NUMBER: 65-71450, 65-71436, 65-71449

DIMENSIONS:	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
	<u>Inches</u>	<u>Inches</u>
Area		
Planform	<u>5500 Ft²</u>	<u>8.80 Ft²</u>
Span (equivalent)	<u>195.67 Ft</u>	<u>93.92</u>
Aspect Ratio	<u>6.96</u>	<u>6.96</u>
Taper Ratio	<u>0.356</u>	<u>0.356</u>
Dihedral Angle, degrees	<u>7</u>	<u>7</u>
Incidence Angle, degrees	<u>2</u>	<u>2</u>
Sweep Back Angles, degrees		
Leading Edge	<u>42.30</u>	<u>42.30</u>
0.25 Element Line	<u>37.5</u>	<u>37.5</u>
Chords:		
Root (Wing Sta. 0.0)	<u>652.0</u>	<u>26.081</u>
Tip (equivalent)	<u>160.0</u>	<u>6.40</u>
MAC	<u>327.78</u>	<u>13.112</u>
Fus. of .25 MAC	<u>1339.91</u>	<u>53.596</u>
W.P. of .25 MAC	<u>190.75</u>	<u>7.63</u>
B.L. of .25 MAC	<u>490.35</u>	<u>19.614</u>

TABLE III. MODEL DIMENSIONAL DATA (Continued)
b. Orbiter

MODEL COMPONENT: BODY - B₂₆

GENERAL DESCRIPTION: Configuration 140A/B Orbiter fuselage

NOTE: B₂₆ is identical to B₂₄ except underside of fuselage has been refaired to accept W₁₁₆.

MODEL SCALE: 0.0405 MODEL DRAWING: SS-101185 RELEASE: 3

DRAWING NUMBER: VL70-000143B, -000200, -000205, -006089, -000145,
VL70-000140A, -000140B

DIMENSIONS:	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Length (OML: Fwd Sta $X_0 = 235$), In.	<u>1293.3</u>	<u>52.379</u>
Length (IML: Fwd Sta $X_0 = 238$), In.	<u>1290.3</u>	<u>52.257</u>
Max Width (@ $X_0 = 1528.30$), In.	<u>264.0</u>	<u>10.692</u>
Max Depth (@ $X_0 = 1464$), In.	<u>250.0</u>	<u>10.125</u>
Fineness Ratio	<u>0.26357</u>	<u>0.26357</u>
Area - Ft ²		
Max. Cross-Sectional	<u>340.88</u>	<u>0.559</u>

TABLE III b. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: CANOPY - C₉

GENERAL DESCRIPTION: Configuration 3A. Canopy used with fuselage B₂₆.

MODEL SCALE: 0.0405

MODEL DRAWING: SS-400147; RELEASE 12

DRAWING NUMBER: VL70-000143A

DIMENSIONS:	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Length ($X_0 = 434.643$ to 578), In.	<u>143.357</u>	<u>5.806</u>
Max Width (@ $X_0 = 513.127$),	<u>152.412</u>	<u>6.173</u>
Max Depth (@ $X_0 = 485.0$)	<u>25.000</u>	<u>1.013</u>

TABLE III b. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: SLOTTED ELEVON (6-INCH GAP) - E₄₄

GENERAL DESCRIPTION: Configuration 140A/B orbiter elevon.

NOTE: E₄₄ is a slotted version of E₂₆. Data are for one side.

MODEL SCALE: 0.0405

DRAWING NUMBER: VL70-000200, -006089, -006092

DIMENSIONS:	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Area, Ft ²	<u>210.0</u>	<u>0.344</u>
Span (equivalent). In.	<u>349.2</u>	<u>14.143</u>
Inb'd equivalent chord, In.	<u>118.004</u>	<u>4.779</u>
Outb'd equivalent chord, In.	<u>55.192</u>	<u>2.2353</u>
Ratio movable surface chord/ total surface chord		
At Inb'd equiv. chord	<u>0.2096</u>	<u>0.2096</u>
At Outb'd equiv. chord	<u>0.4004</u>	<u>0.4004</u>
Sweep Back Angles, degrees		
Leading Edge	<u>0.00</u>	<u>0.00</u>
Trailing Edge	<u>-10.056</u>	<u>-10.056</u>
Hingeline	<u>0.0</u>	<u>0.0</u>
Area Moment (Product of Area & \bar{c}) Ft ³	<u>1587.25</u>	<u>0.105</u>
Mean Aerodynamic Chord, In.	<u>90.7</u>	<u>3.673</u>

TABLE III b. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: BODY FLAP - F8

GENERAL DESCRIPTION: Configuration 140A/B orbiter body flap. Hinge-line located at $X_0 = 1532.0$. $Z_0 = 287.0$

MODEL SCALE: 0.0405 MODEL DRAWING: SS-A00147, RELEASE 12

DRAWING NUMBER: VL70-000140A, VL70-000145

DIMENSIONS:	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Length ($X_0 = 1521.4$ to $X_0 = 1613$)	<u>91.60</u>	<u>3.71</u>
Max Width, In.	<u>262.00</u>	<u>10.61</u>
Max Depth (@ $X_0 = 1520$), In.	<u>23.00</u>	<u>0.93</u>
Fineness Ratio	<u> </u>	<u> </u>
Area - Ft ²	<u> </u>	<u> </u>
Max. Cross-Sectional	<u> </u>	<u> </u>
Planform	<u>150.525</u>	<u>0.246</u>
Wetted	<u> </u>	<u> </u>
Base	<u>41.84722</u>	<u>0.069</u>

TABLE III b. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: OMS POD - M₁₆

GENERAL DESCRIPTION: Configuration 140C

Orbiter OMS pod - short pod.

MODEL SCALE: 0.0405

DRAWING NUMBER: VL70-008401, VL70-008410

DIMENSIONS:	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Length (OMS Fwd Sta. $X_0 = 1310.5$), In.	<u>258.50</u>	<u>10.469</u>
Max Width (@ $X_0 = 1511$), In.	<u>136.8</u>	<u>5.540</u>
Max Depth (@ $X_0 = 1511$), In.	<u>74.70</u>	<u>3.025</u>
Fineness Ratio	<u>2.484</u>	<u>2.484</u>
Area: - Ft ²		
Max. Cross-Sectional	<u>58.864</u>	<u>0.0966</u>

TABLE III b. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: MPS NOZZLES - N₂₄

GENERAL DESCRIPTION: Configuration 140A/B orbiter MPS nozzles.

MODEL SCALE: 0.0405 MODEL DRAWING: SS-A00147, RELEASE 12

DRAWING NUMBER: VL70-005030A, VL70-000140A

DIMENSIONS:	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
MACH NO.		
Length - In.		
Gimbal Point to Exit Plane	<u>157.0</u>	<u>6.36</u>
Throat to Exit Plane	<u>99.2</u>	<u>4.02</u>
Diameter - In.		
Exit	<u>91.00</u>	<u>3.69</u>
Throat	<u> </u>	<u> </u>
Inlet	<u> </u>	<u> </u>
Area - Ft ²		
Exit	<u>45.166</u>	<u>.07408</u>
Throat	<u> </u>	<u> </u>
Gimbal Point (Station) - In.		
Upper Nozzle		
X _o	<u>1445.</u>	<u>58.52</u>
Y _o	<u>0</u>	<u>0</u>
Z _o	<u>443</u>	<u>17.94</u>
Lower Nozzle		
X _o	<u>1468.17</u>	<u>59.46</u>
Y _o	<u>± 53.00</u>	<u>± 2.15</u>
Z _o	<u>342.640</u>	<u>13.88</u>
Null Position - Deg.		
Upper Nozzle		
Pitch	<u>16°</u>	<u>16°</u>
Yaw	<u>0°</u>	<u>0°</u>
Lower Nozzle		
Pitch	<u>10°</u>	<u>10°</u>
Yaw	<u>3.5°</u>	<u>3.5°</u>

TABLE III b. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: OMS NOZZLES - N₂₈

GENERAL DESCRIPTION: Configuration 140A/B orbiter OMS nozzles

MODEL SCALE: 0.0405

SS-A00106, RELEASE 5 (Contour)

DRAWING NUMBER: VL70-000140A (Location)

DIMENSIONS:	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
MACH NO.		
Length - In.		
Gimbal Point to Exit Plane		
Throat to Exit Plane		
Diameter - In.		
Exit		
Throat		
Inlet		
Area - Ft ²		
Exit		
Throat		
Gimbal Point (station) - In.		
Left Nozzle		
X _o	1518.00	61.48
Y _o	-88.0	-3.56
Z _o	492.00	19.93
Right Nozzles		
X _o	1518.00	61.48
Y _o	88.00	3.56
Z _o	492.0	19.93
Null Position - Deg.		
Left Nozzle		
Pitch	15°49'	15°49'
Yaw	12°17'	12°17'
Right Nozzle		
Pitch	15°49'	15°49'
Yaw	12°17'	12°17'

TABLE III b. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: RUDDER - R₅

GENERAL DESCRIPTION: Configuration 140C orbiter rudder (identical to configuration 140A/B rudder)

MODEL SCALE: 0.0405

DRAWING NUMBER: VL70-000146B, VL70-000095

DIMENSIONS:	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Area - Ft ²	<u>100.15</u>	<u>0.1643</u>
Span (equivalent), In.	<u>201.00</u>	<u>8.141</u>
Inb'd equivalent chord, In.	<u>91.585</u>	<u>3.709</u>
Outb'd equivalent chord, In.	<u>50.833</u>	<u>2.059</u>
Ratio movable surface chord/ total surface chord		
At Inb'd equiv. chord	<u>0.400</u>	<u>0.400</u>
At outb'd equiv. chord	<u>0.400</u>	<u>0.400</u>
Sweep Back Angles. degrees		
Leading Edge	<u>34.83</u>	<u>34.83</u>
Trailing Edge	<u>26.25</u>	<u>26.25</u>
Hingeline	<u>34.83</u>	<u>34.83</u>
Area Moment (Product of area & \bar{c}) Ft ³	<u>610.92</u>	<u>0.0406</u>
Mean Aerodynamic Chord, In.	<u>73.2</u>	<u>2.965</u>

TABLE III b. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: SS - SUGAR SCOOPS

GENERAL DESCRIPTION: Two deflector vanes located above the MPS top center nozzle. Vanes are simulated by flat plates attached to a strut which mounts on the MPS nozzle aft surface.

MODEL SCALE: .0405

DIMENSIONS:	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Vane width, in.	<u>24.7</u>	<u>1.0</u>
Vane height, in.	<u>37.0</u>	<u>1.5</u>
Vane incidence angle to strut, deg.	<u>45</u>	<u>45</u>
Strut incidence to nozzle exit plane, deg.	<u>16</u>	<u>16</u>
Strut cant from orbiter centerline, deg.	<u>10</u>	<u>10</u>

TABLE III b. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: TC₁₉ UPSWEPT BEAVER TAIL - ORBITER TAILCONE

GENERAL DESCRIPTION: An orbiter tail fairing tapering to a rounded aft end in the horizontal plane.

Orbiter (0.0405 Scale)

DRAWING NUMBER: BCD-V70-30-330

DIMENSIONS	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Length	<u>34.96 Ft</u>	<u>16.99 In.</u>
Max Width	<u>25.0 Ft</u>	<u>12.15 In.</u>
Max Height	<u>22.22 Ft</u>	<u>10.80 In.</u>
Tailcone Width at Aft Tip	<u>4.12 Ft</u>	<u>2.0 In.</u>

TABLE III b. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: VERTICAL - V₈GENERAL DESCRIPTION: Configuration 140C orbiter vertical tail
(identical to configuration 140A/B vertical tail)

MODEL SCALE: 0.0405

DRAWING NUMBER: VL70-000140C, VL70-000146B

DIMENSIONS:	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
TOTAL DATA		
Area (Theo) - Ft ²		
Planform	413.253	0.678
Span (Theo) - In.	315.72	12.787
Aspect Ratio	1.675	1.675
Rate of Taper	0.507	0.507
Taper Ratio	0.404	0.404
Sweep-Back Angles, Degrees		
Leading Edge	45.00	45.00
Trailing Edge	26.25	26.25
0.25 Element Line	41.13	41.13
Chords:		
Root (Theo) WP	268.50	10.874
Tip (Theo) WP	108.47	4.393
MAC	199.81	8.092
Fus. Sta. of .25 MAC	1463.35	59.272
W.P. of .25 MAC	635.52	25.738
B.L. of .25 MAC	0.00	0.00
Airfoil Section		
Leading Wedge Angle - Deg.	10.00	10.00
Trailing Wedge Angle - Deg.	14.92	14.92
Leading Edge Radius	2.00	0.0810
Void Area	13.17	0.022
Blanketed Area	0.0	0.0

TABLE III b. MODEL DIMENSIONAL DATA (Concluded)

MODEL COMPONENT: WING-W₁₁₆

GENERAL DESCRIPTION: Configuration 4

NOTE: Identical to W₁₁₄ except airfoil thickness. Dihedral angle is a long trailing edge of wing.

MODEL SCALE: 0.0405

TEST NO.

DWG. NO.: VL70-000140A, -000200

DIMENSIONS:

FULL SCALEMODEL SCALETOTAL DATAArea (Theo) - Ft²

Planform

2690.00

4.412

Span (Theo) - In.

936.68

37.936

Aspect Ratio

2.265

2.265

Rate of Taper

1.177

1.177

Taper Ratio

0.200

0.200

Dihedral Angle, degrees

3.500

3.500

Incidence Angle, degrees

0.500

0.500

Aerodynamic Twist, degrees

+ 3.000

+ 3.000

Sweep Back Angles, degrees

Leading Edge

45.000

45.000

Trailing Edge

- 10.056

- 10.056

0.25 Element Line

35.209

35.209

Chords:

Root (Theo) B.P.O.O.

689.24

27.914

Tip (Theo) D.P.

137.85

5.583

MAC

474.81

19.230

Fus.Sta. of .25 MAC

1136.83

46.042

W.P. of .25 MAC

290.58

11.768

B.L. of .25 MAC

182.13

7.376

EXPOSED DATAArea (Theo) - Ft²

1751.50

2.873

Span, (Theo) - In. BP108

720.68

29.188

Aspect Ratio

2.059

2.059

Taper Ratio

0.245

0.245

Chords

Root BP10

562.09

22.765

Tip 1.00 b/2

137.85

5.583

MAC

392.83

15.910

Fus. Sta. of .25 MAC

1185.98

48.032

W.P. of .25 MAC

294.30

11.919

B.L. of .25 MAC

251.77

10.197

Airfoil Section (Rockwell Mod NASA)XXXX-64

Root b/2

0.113

0.113

Tip b/2

0.12

0.12

Data for (1) of (2) Sides

Leading Edge Cuff

Planform Area - Ft²

113.18

0.185

Leading Edge Intersects Fus M.L. @ Sta.

500.00

20.250

Leading Edge Intersects Wing @ Sta.

1024.00

41.472

Notes:

1. Positive directions of force coefficients, moment coefficients, and angles are indicated by arrows
2. For clarity, origins of wind and stability axes have been displaced from the center of gravity

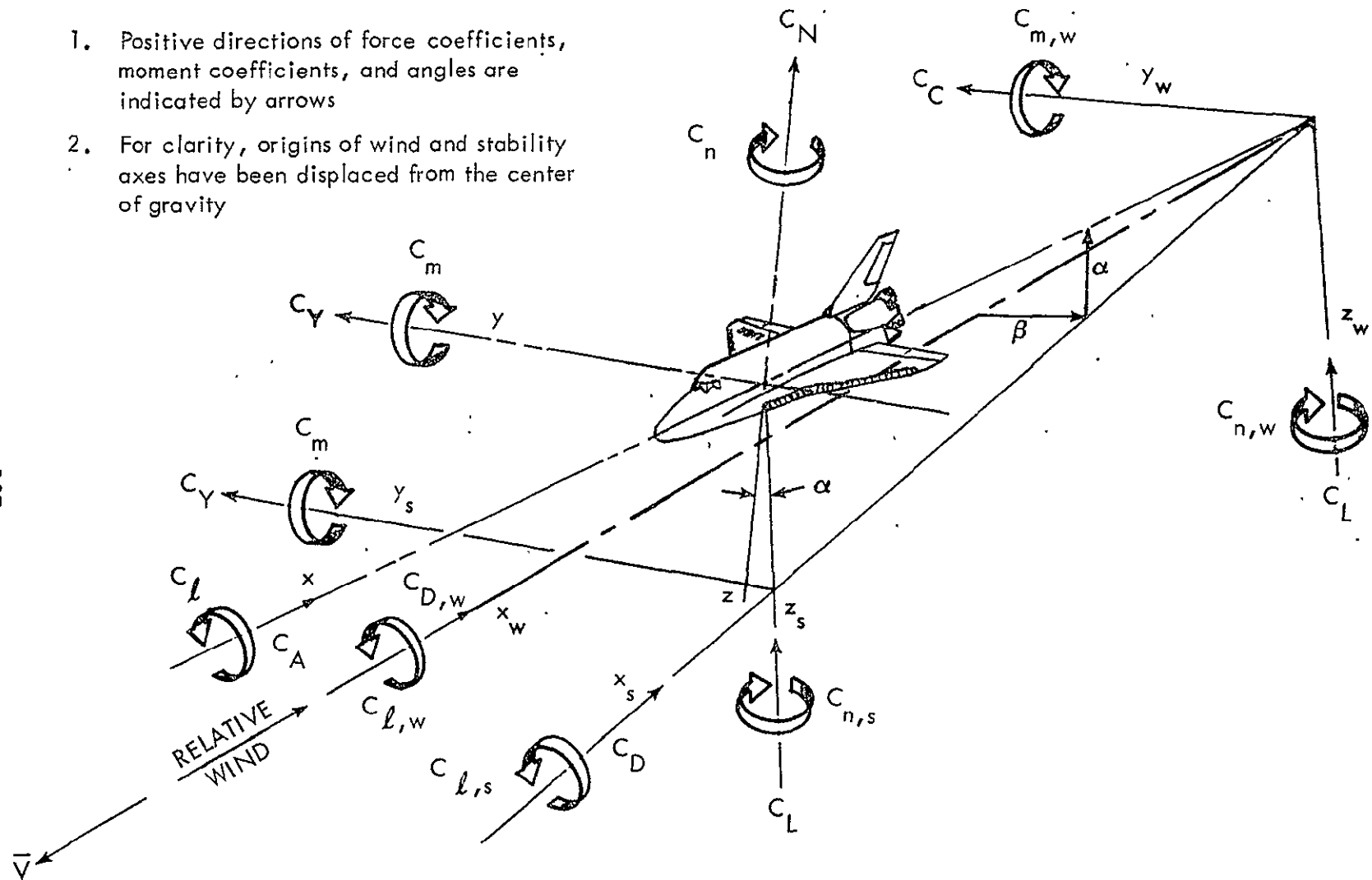
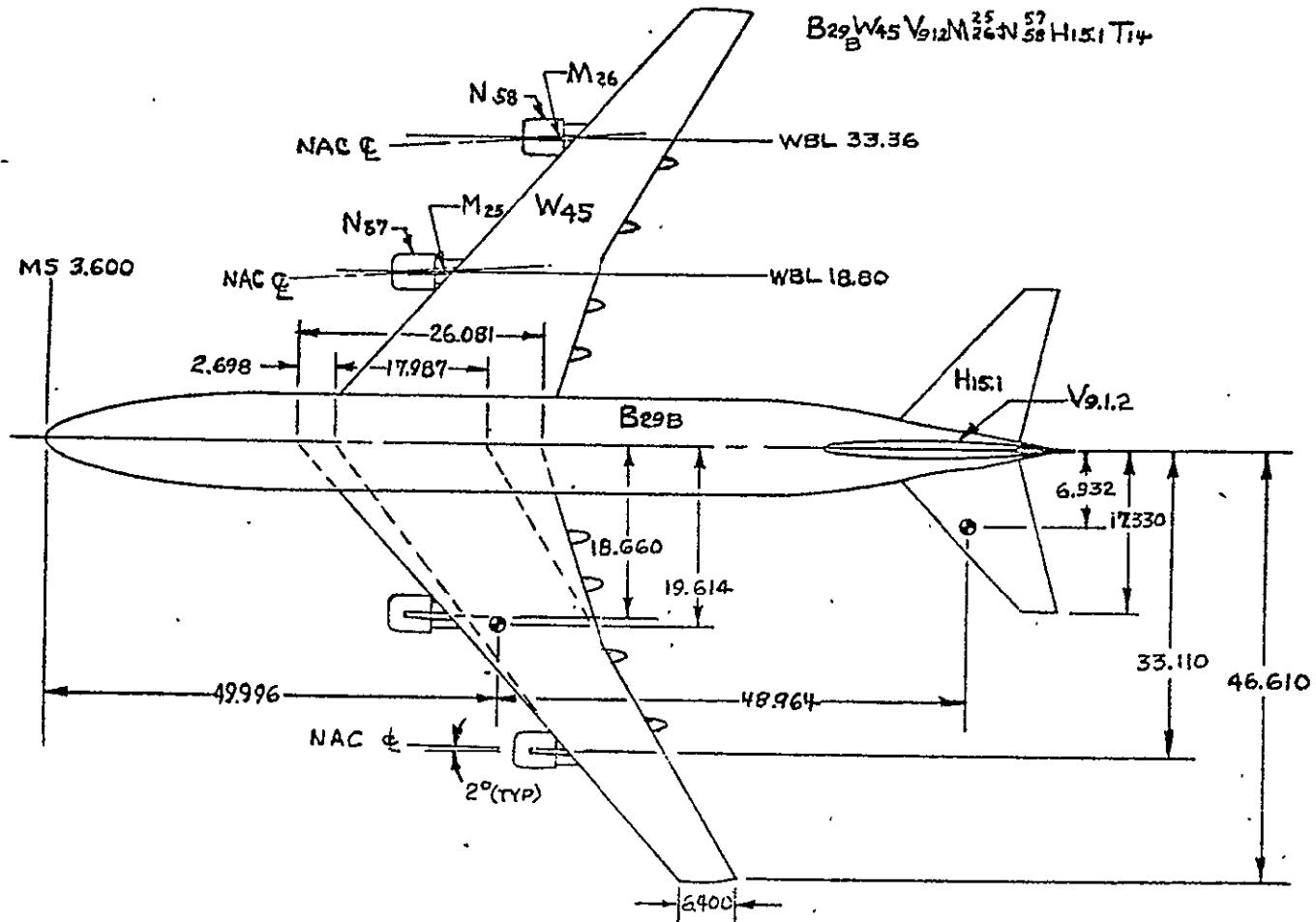


Figure 1. - Axis Systems.

⊕ INDICATES 25 % MAC LOCATION .

REF: DW 6 65-71450
65-71436
65-74129

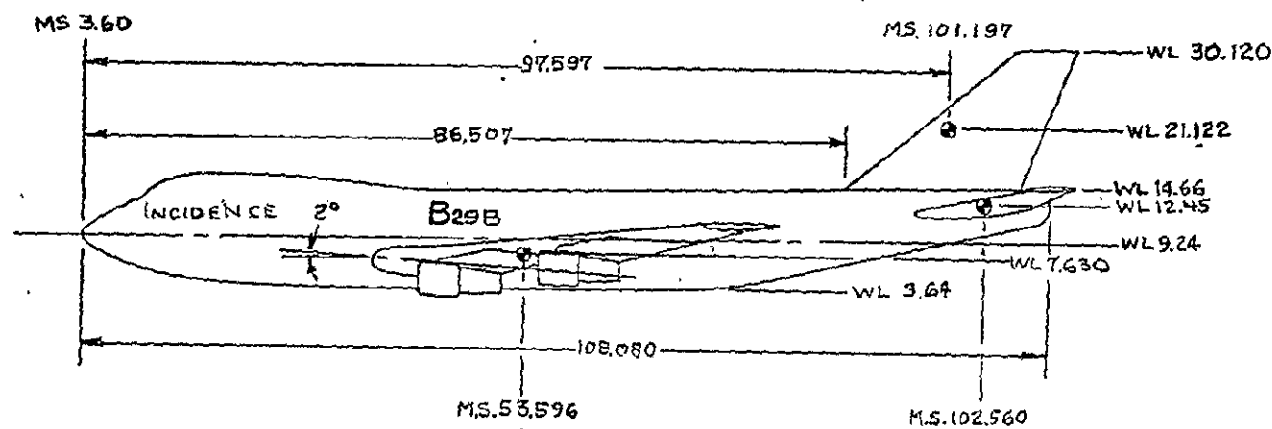
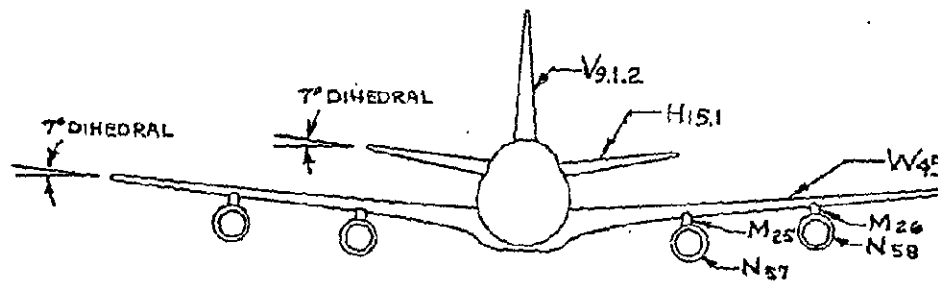
MODEL PLATFORM



a. 747-100 Carrier Planform.
Figure 2. - Model Sketches.

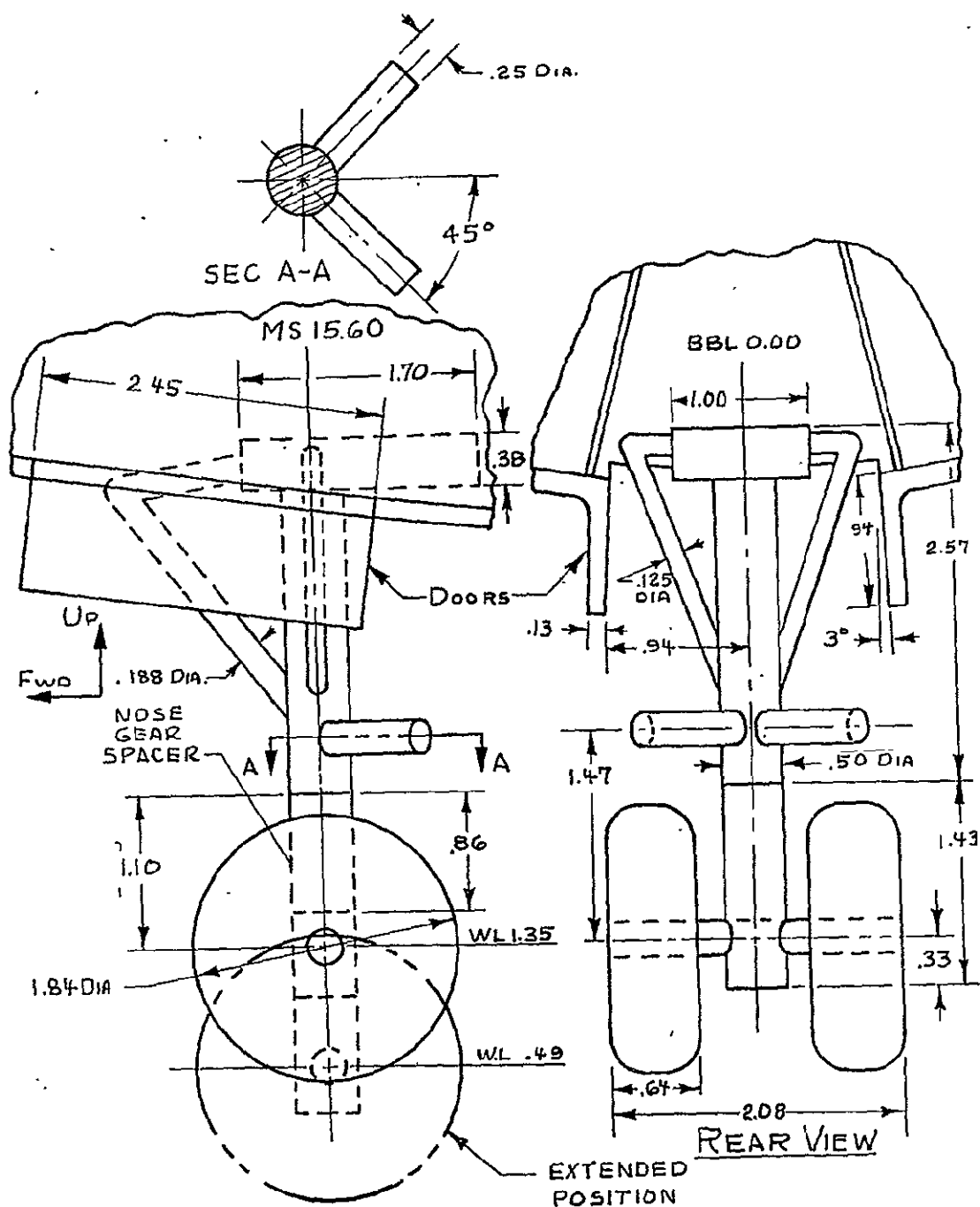
⊙ INDICATES 25% MAC LOCATION

B29W45V9.12M25N58H15.1T14



b. 747-100 Carrier Front and Side Views.
Figure 2. - (Continued)

REF: Dwg 65-71450
65-71450
65-74129



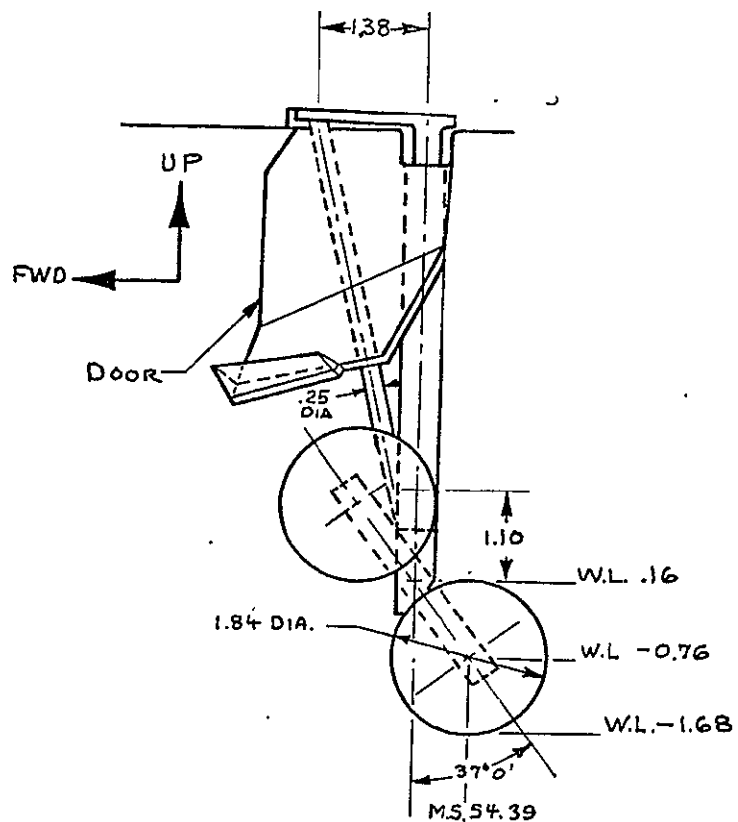
NOSE GEAR-G53.5

REF SO 1065-101,-108

R1-76

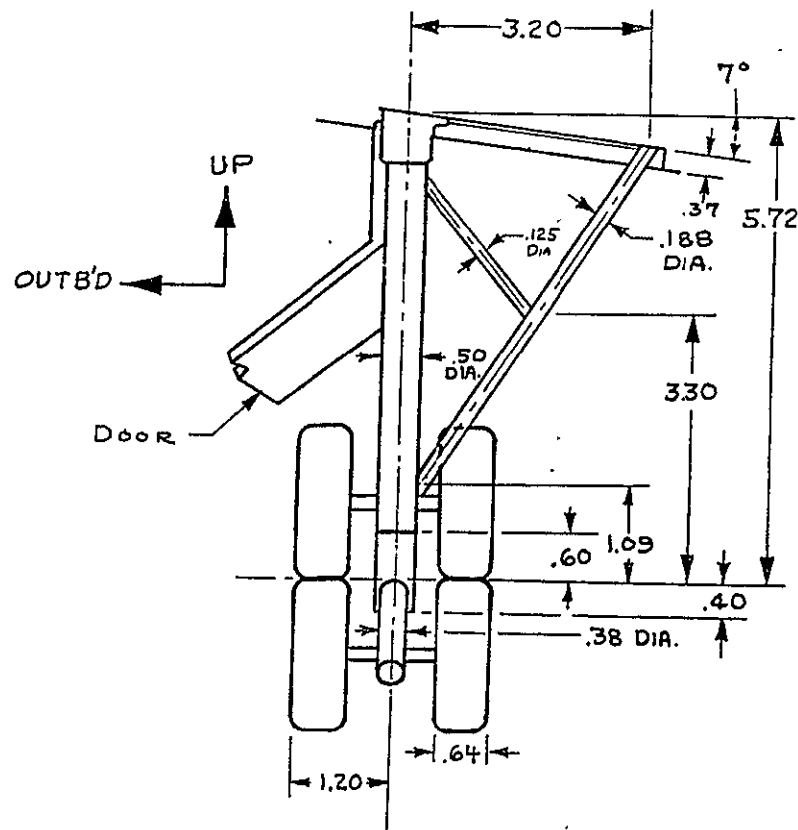
c. 747-100 Carrier Nose Gear.

Figure 2. - (Continued).



MS 53.70

SIDE VIEW



BBL 8.68

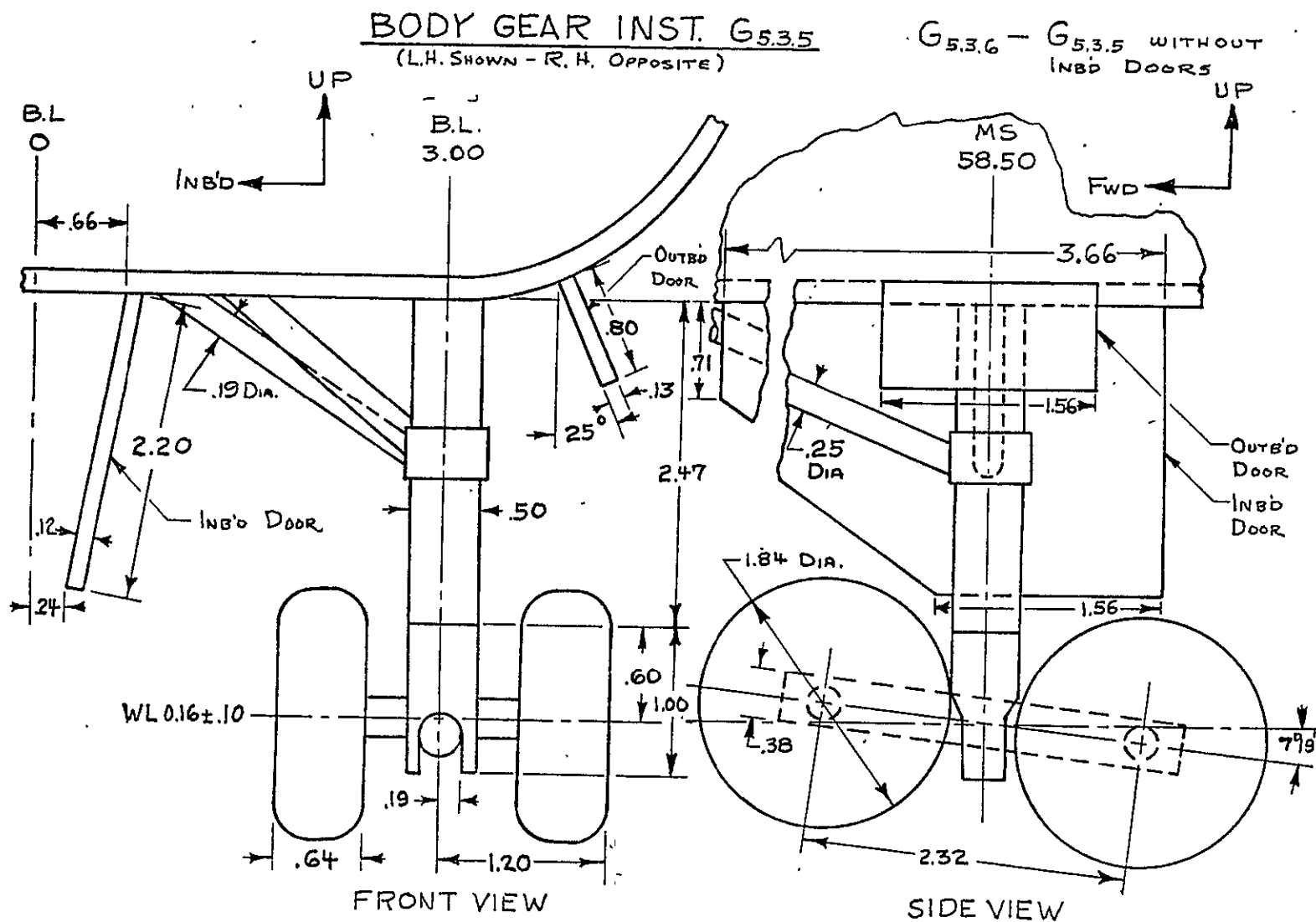
REAR VIEW

WING LANDING GEAR G5.3.5
(L.H. SHOWN R.H. OPP.)

REF. SO 1065-103,-104

d. 747-100 Carrier Wing Landing Gear.

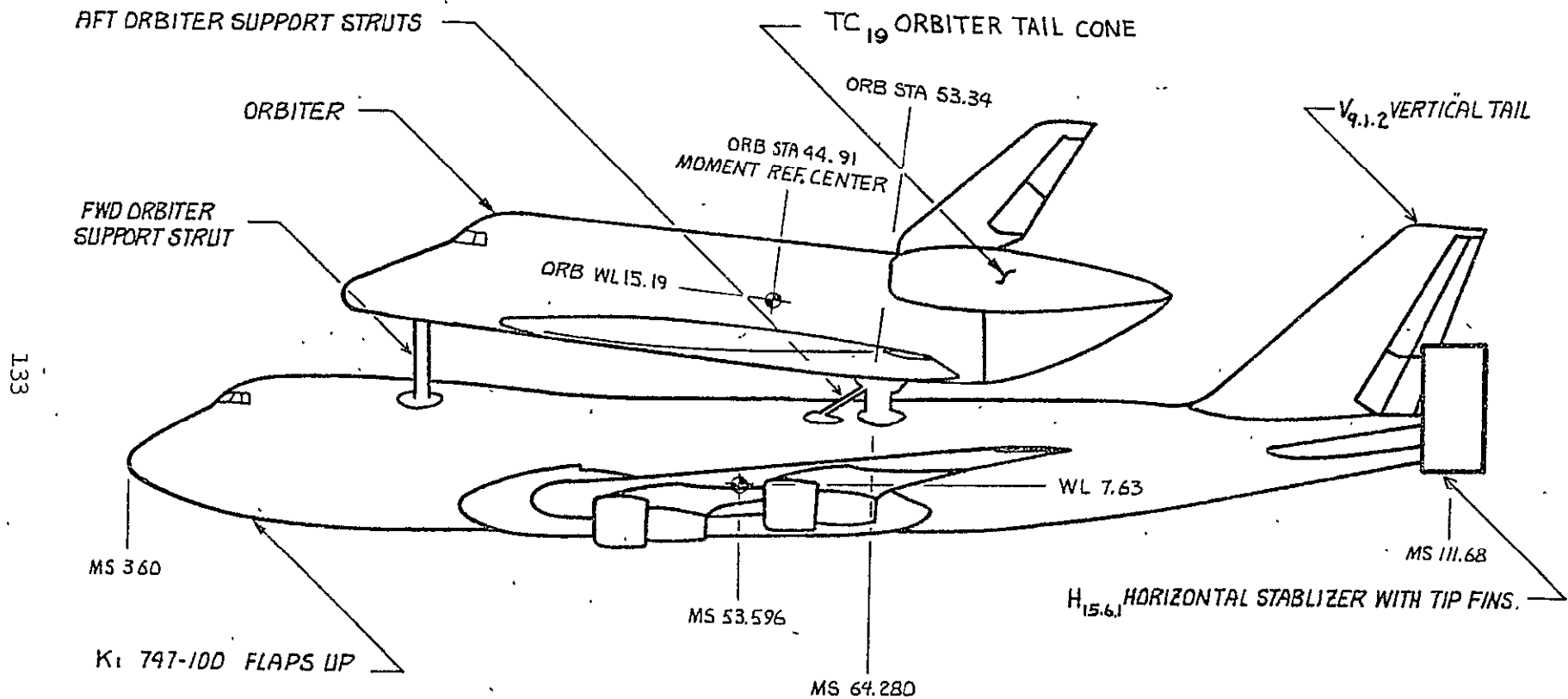
Figure 2. - (Continued).



REF. S.O 1065-103, 108, 105, 564, S.O 1284-197, -205

e. 747-100 Carrier Body Gear.

Figure 2. - (Continued).



f. 747-100 and Orbiter Space Shuttle Configuration.
Figure 2. - (Continued).

ORB.	WL "A"	ANGLE "B"	ANGLE "C"
3°	18.57	0°-9'	54°-17'
6°	20.51	1°-59'	64°-46'
7°	21.15	2°-33'	67°-05'
8°	21.79	3°-6'	69°-02'

SECTION A-A

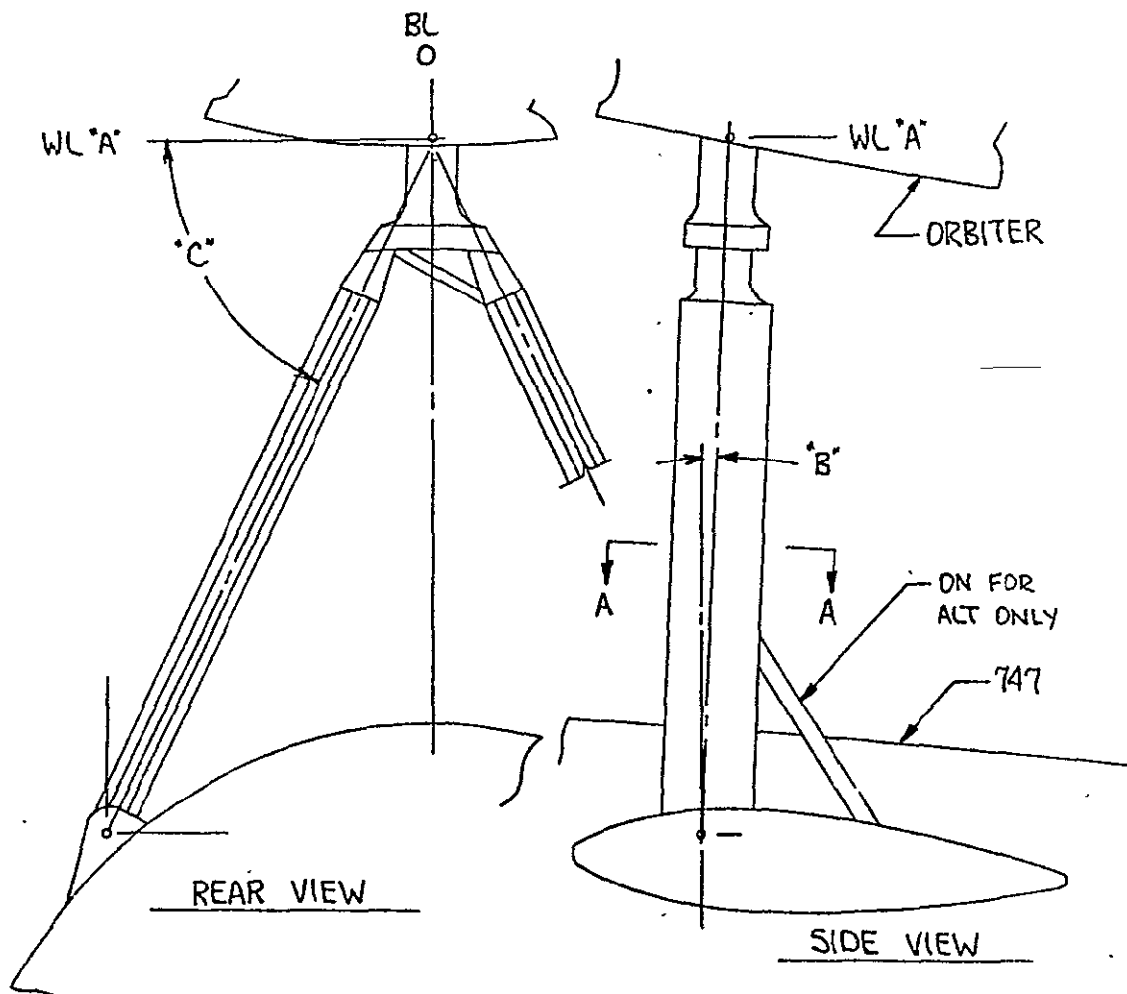
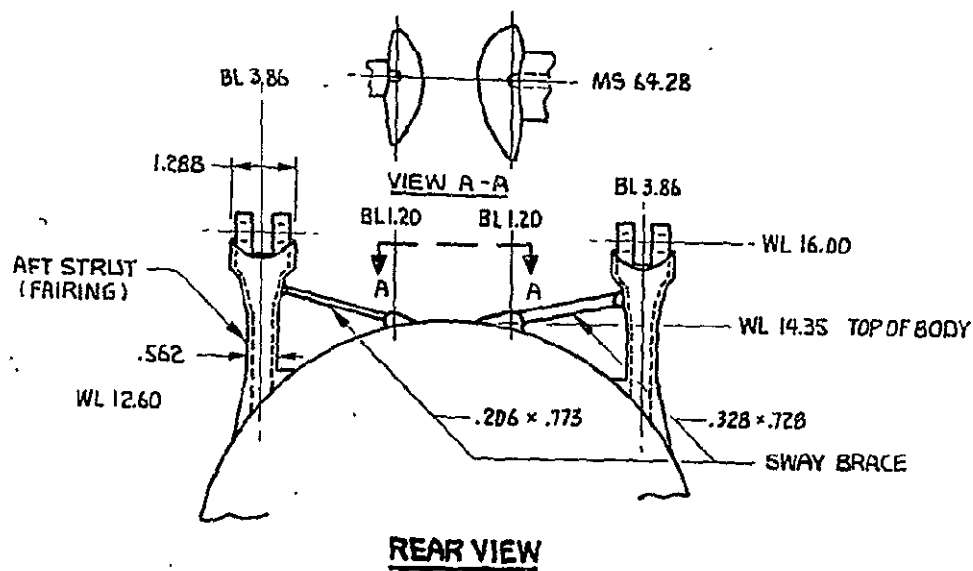
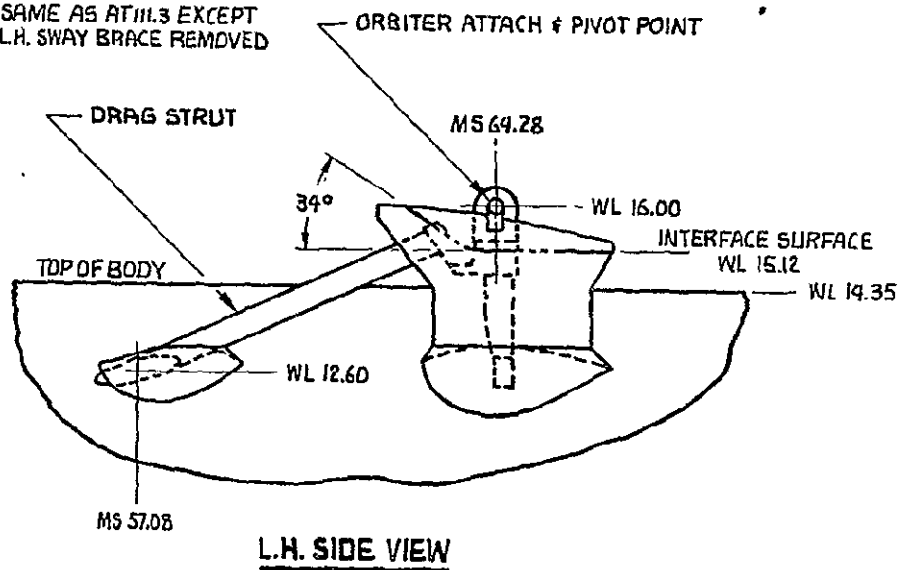


Figure 2. - (Continued).

AT 111.3 ALT CONFIGURATION

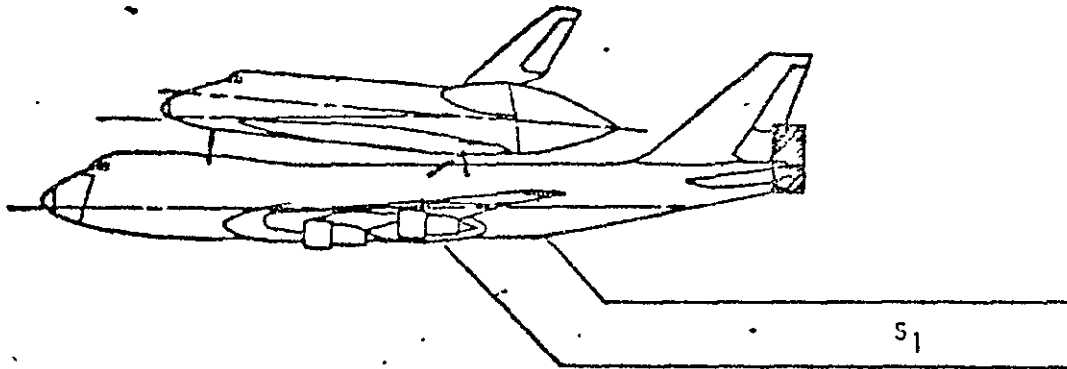
AT 111.4 FERRY CONFIGURATION
SAME AS AT 111.3 EXCEPT
L.H. SWAY BRACE REMOVED



h. AT_{111.3} and AT_{111.4} Orbiter Aft Attach Structure.

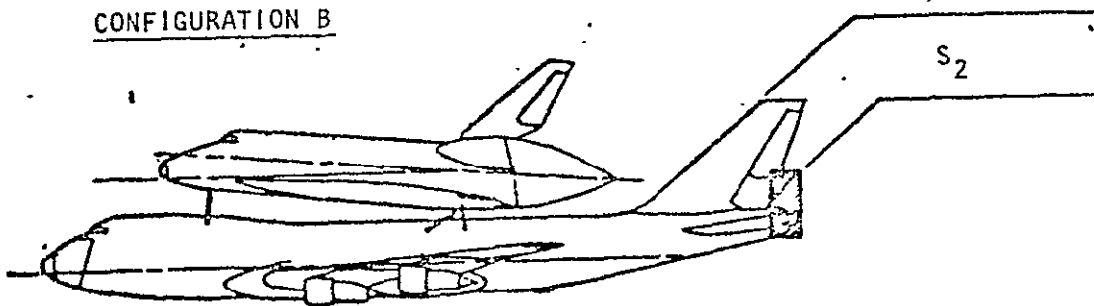
Figure 2. - (Continued).

CONFIGURATION A



Test support configuration for free air testing.

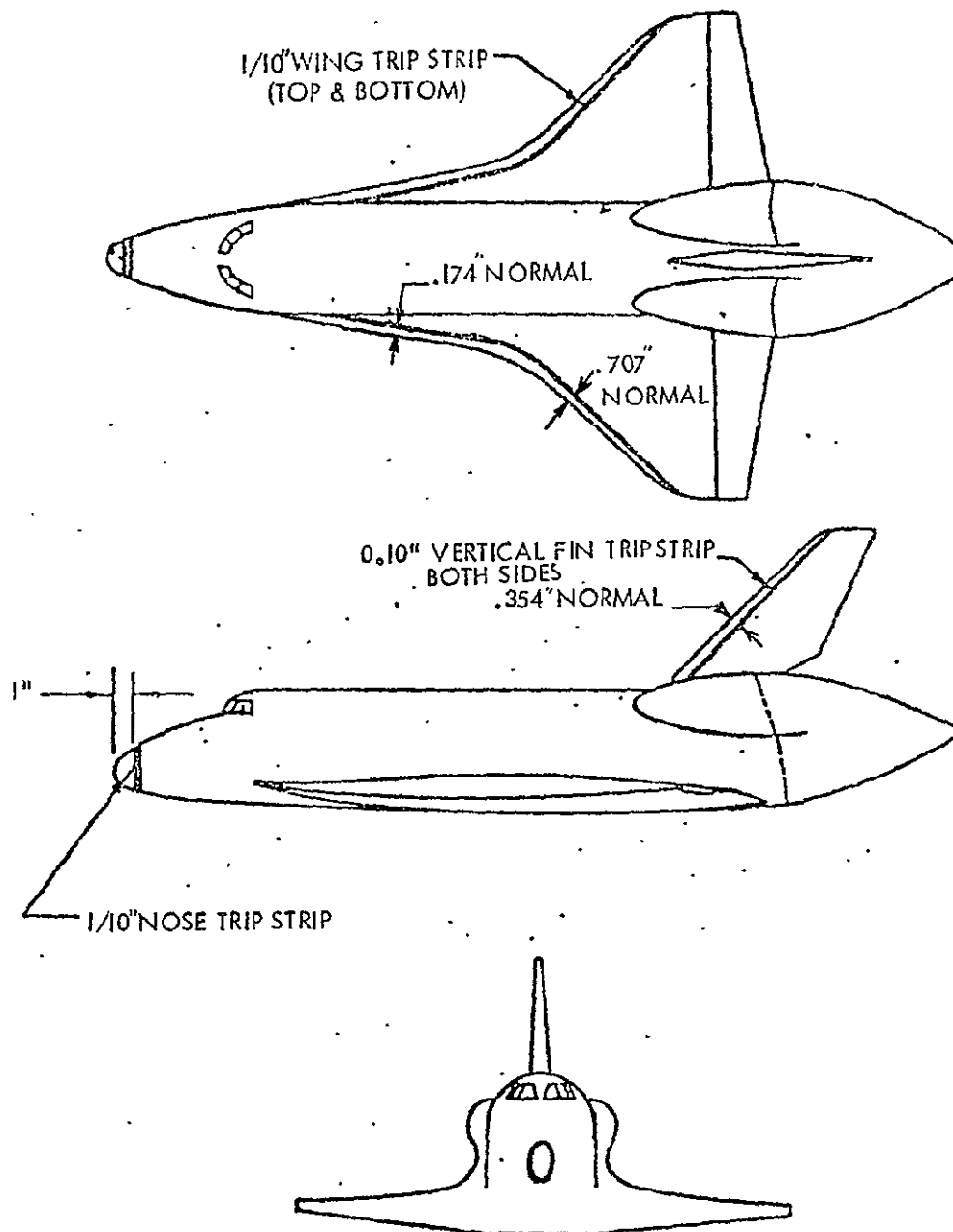
CONFIGURATION B



Test support configuration for ground effect testing.

i. Test Support Configurations.

Figure 2. - (Continued).



ALL TRIP STRIPS #80 GRIT,
40 - 60 GRAINS PER INCH

j. Orbiter Trip Strip Definition.

Figure 2. - (Continued).

TRIP STRIP DEFINITION

747 and 747 CAM

WING

Wing upper and lower surface: 1.25 inches streamwise, 80 grit 40 to 60 grains/inch, 0.1 inch wide.

EMPENNAGE (All surfaces, top and bottom)

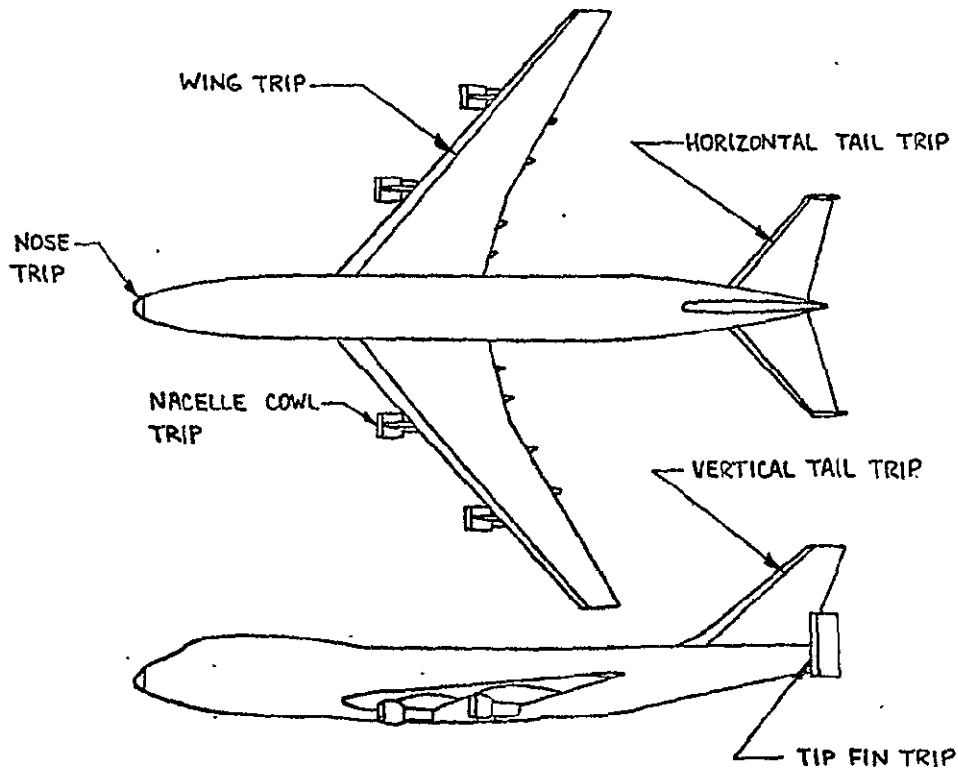
0.5 inch streamwise 0.1 inch wide, 80 grit, 40 to 60 grains/inch.

BODY NOSE

1.25 inch from L.E. 80 grit 0.1 inch wide, 40-60 grains/inch.

NACELLE

Fan cowl .5 inch from L.E. (inside and outside), 80 grit, 40-60 grains/inch, 0.10 inch wide. Primary, at the fan cowl exit plane, (outside surface only), 80 grit, 40-60 grains/inch, .10 inch wide.

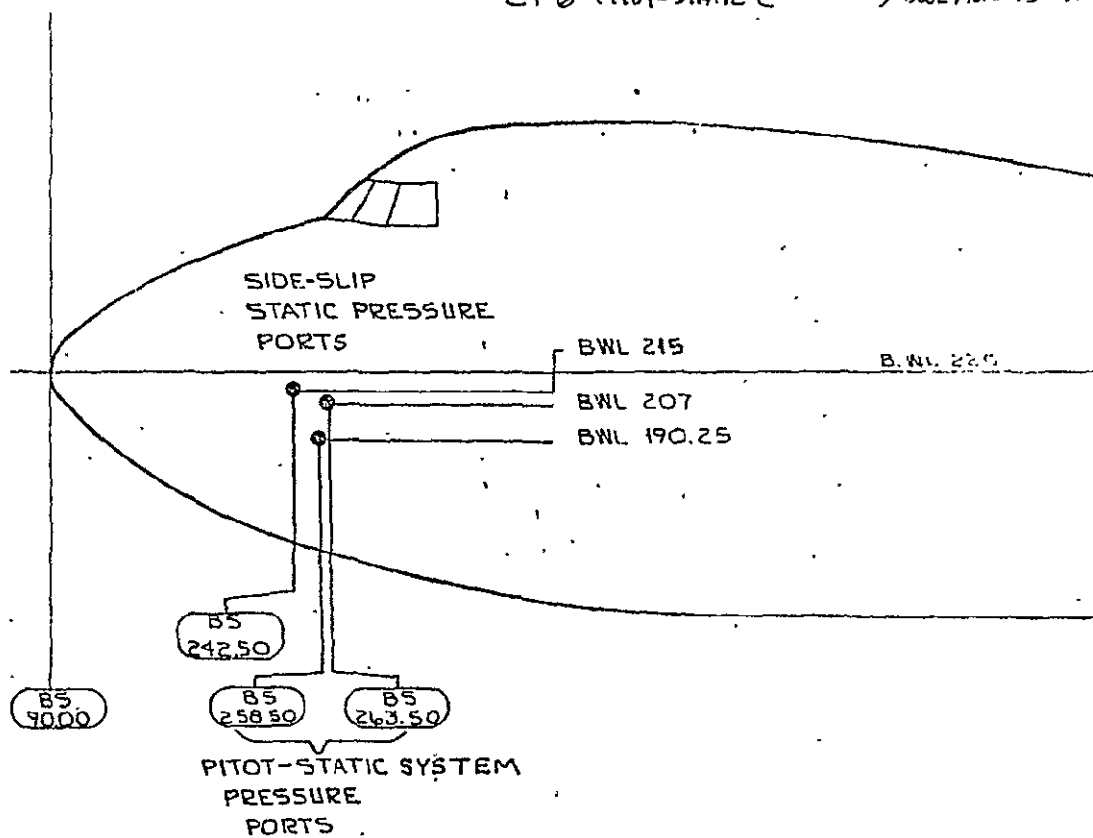


k. 747 CAM Trip Strip Definition.

Figure 2. - (Continued).

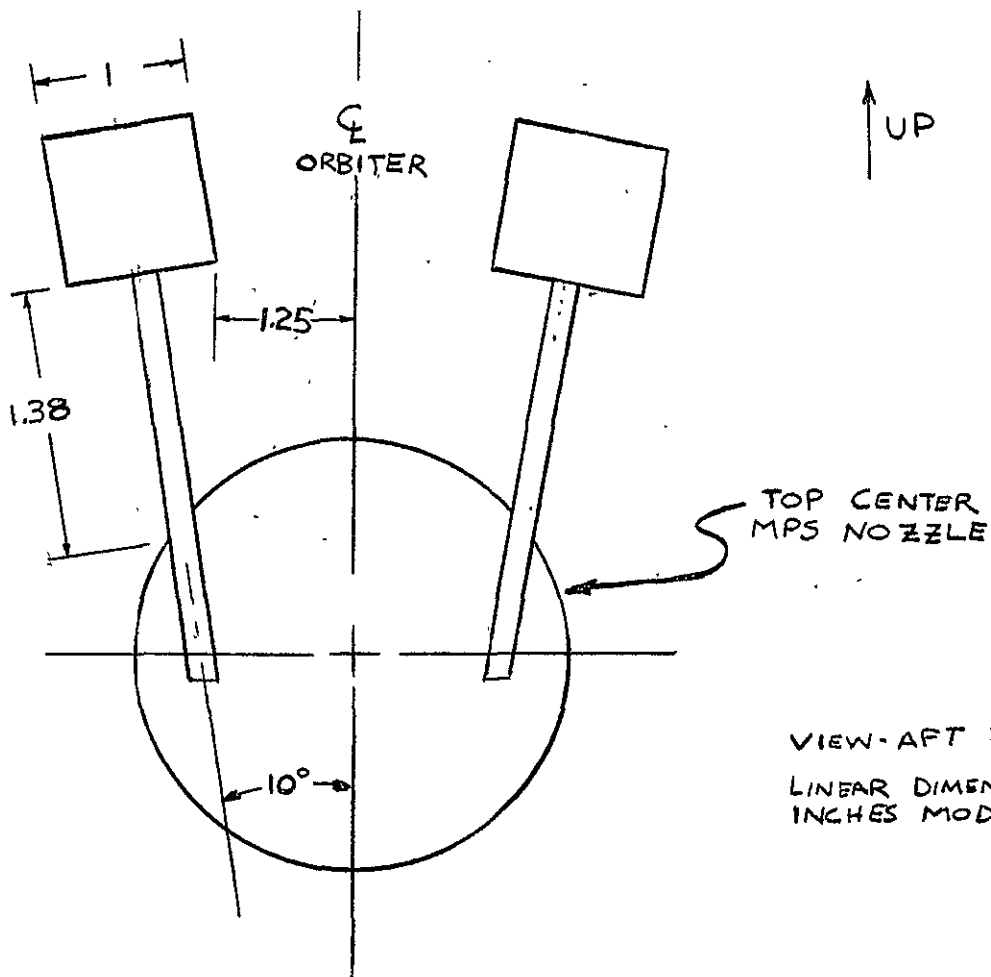
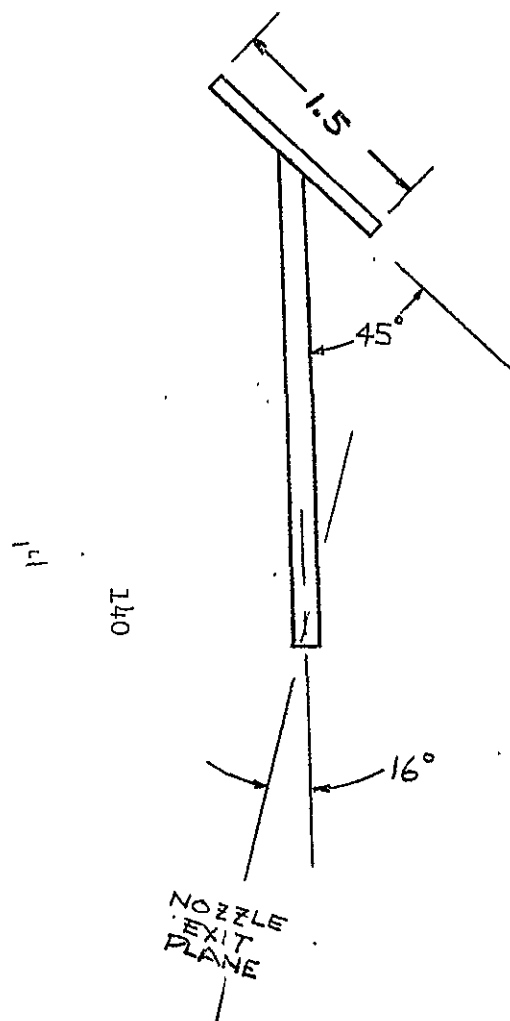
NOT TO SCALE

CP1 SIDE-SLIP (PORT SIDE) BWL 215 BS 242.50
 CP2 PITOT-STATIC (L) BWL 207 BS 263.50
 CP3 PITOT-STATIC (L) BWL 190.25 BS 258.50
 CP4 SIDE-SLIP (STARBOARD SIDE) BWL 215 BS 242.50
 CP5 PITOT-STATIC (L) BWL 207 BS 263.50
 CP6 PITOT-STATIC (L) BWL 190.25 BS 258.50



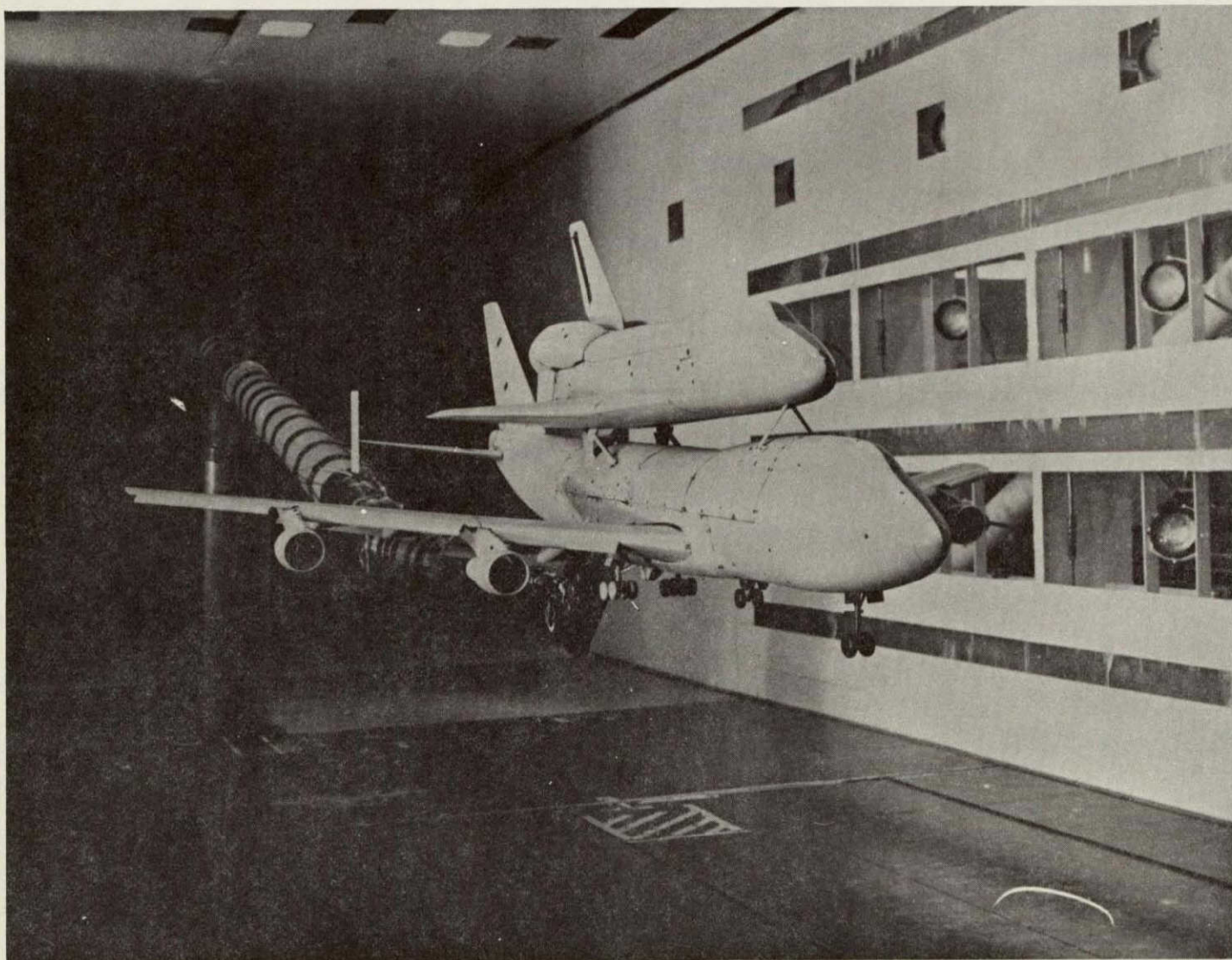
2. Static Pressure Port Locations on the Forebody of the 747 Model.

Figure 2. - (Continued).

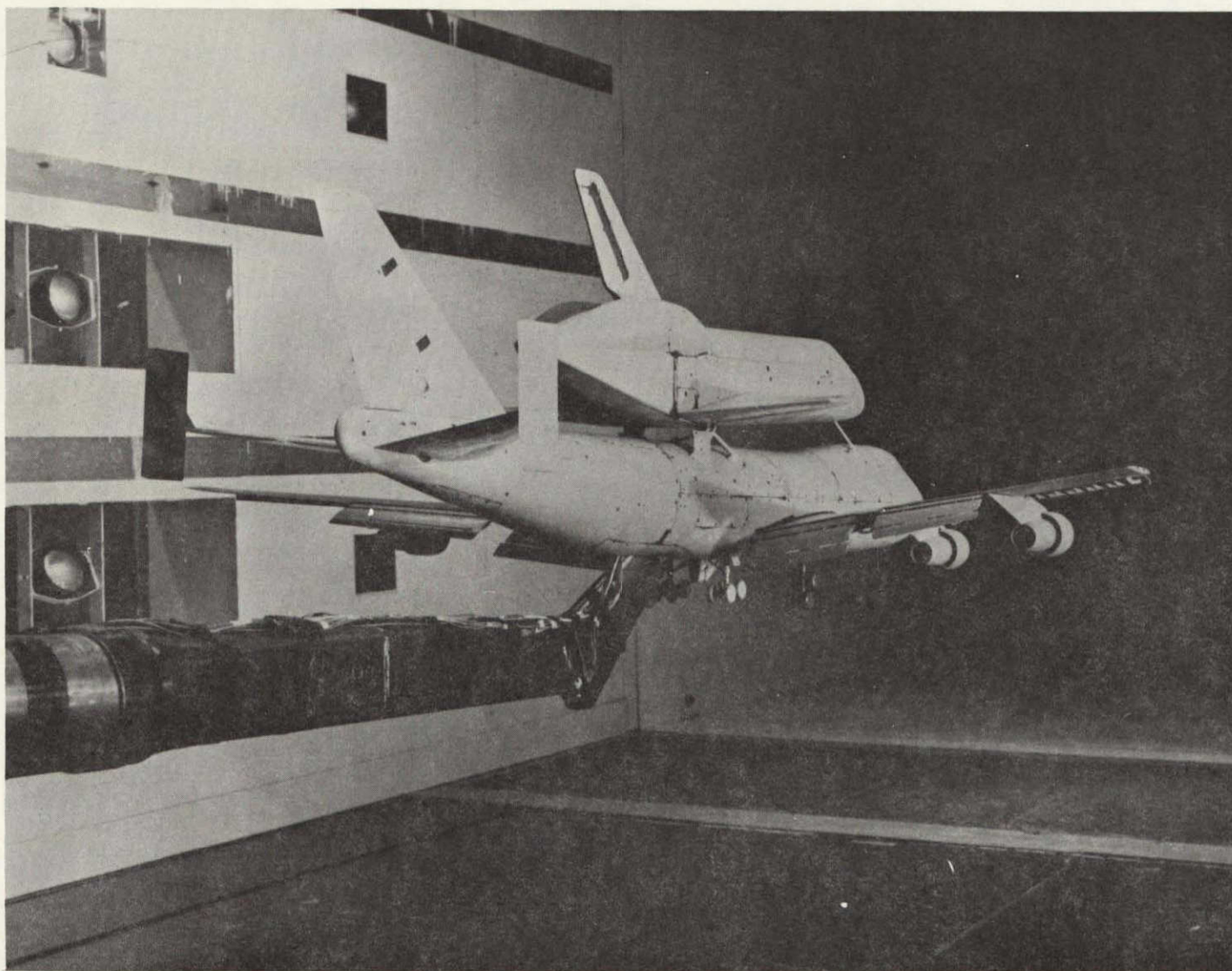


VIEW-AFT LOOKING FWD
 LINEAR DIMENSIONS IN
 INCHES MODEL SCALE

m. Sugar Scoops
 Figure 2. - (Concluded)

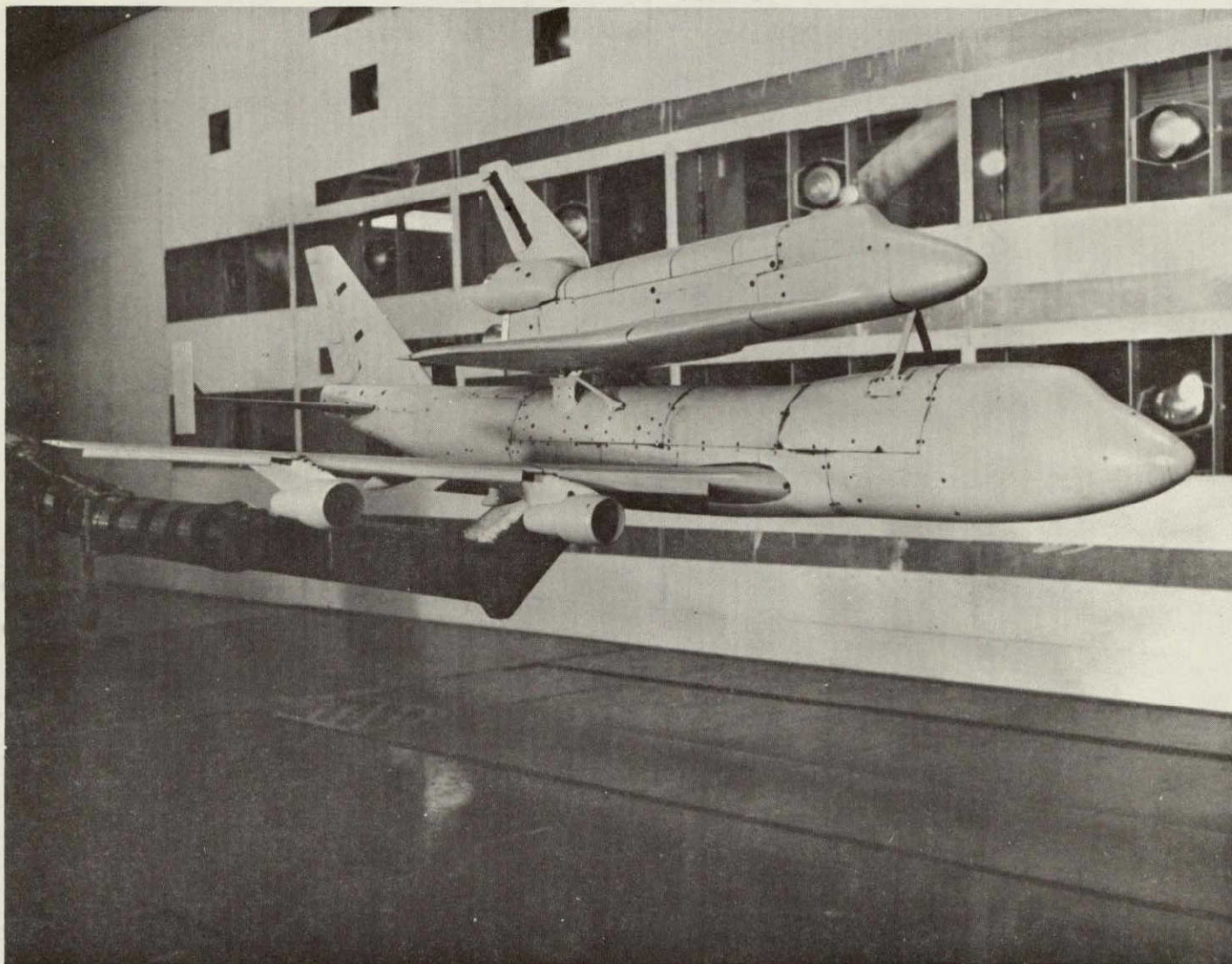


a. Front View of Ferry Configuration with S_1 Swept-Blade Sting.
Figure 3. - Model Photographs.

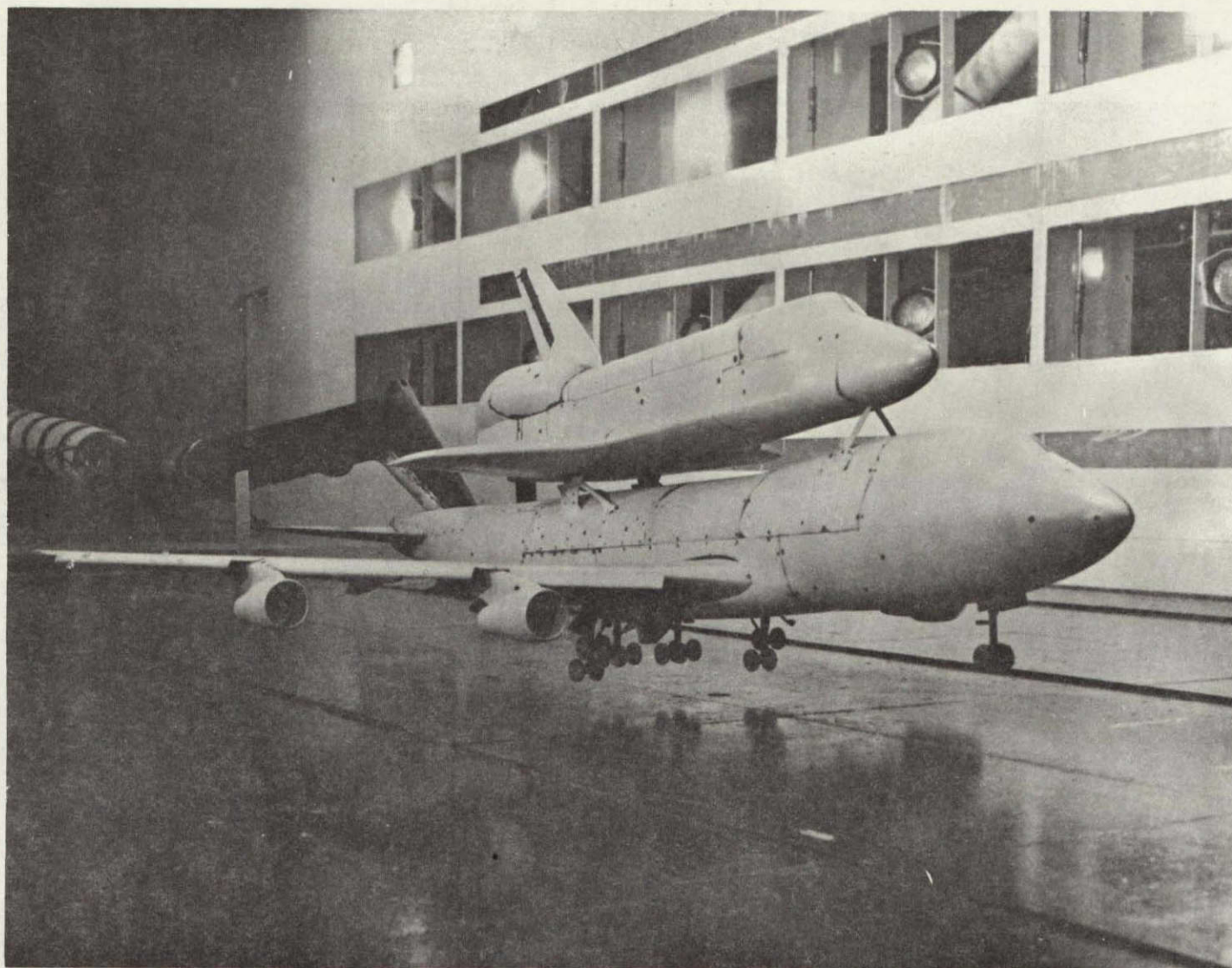


b. AFT View of Ferry Configuration with S_1 Swept-Blade Sting.

Figure 3. - (Continued).

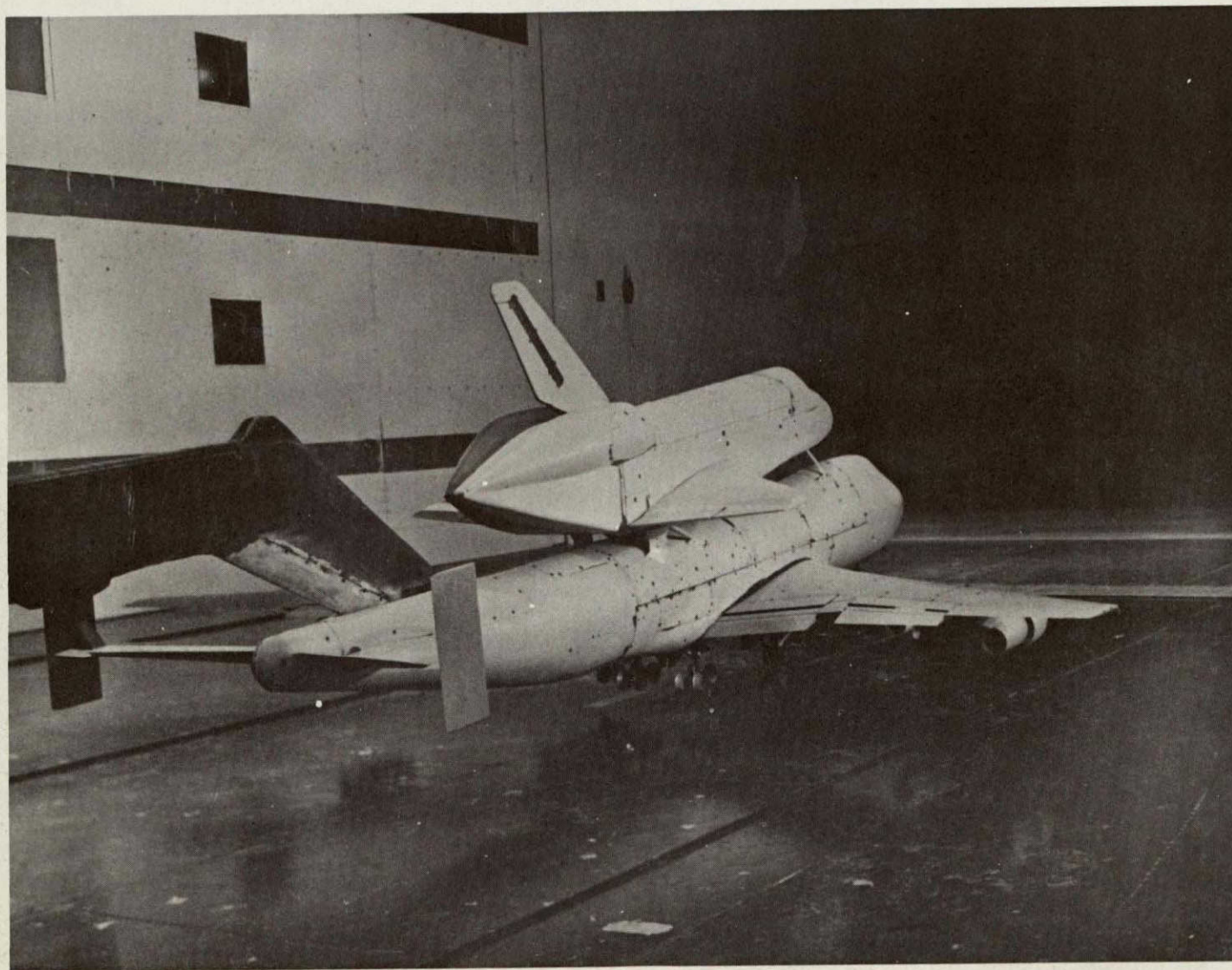


c. Front View of ALT Configuration with S_1 Swept-Blade Sting.
Figure 3. - (Continued).



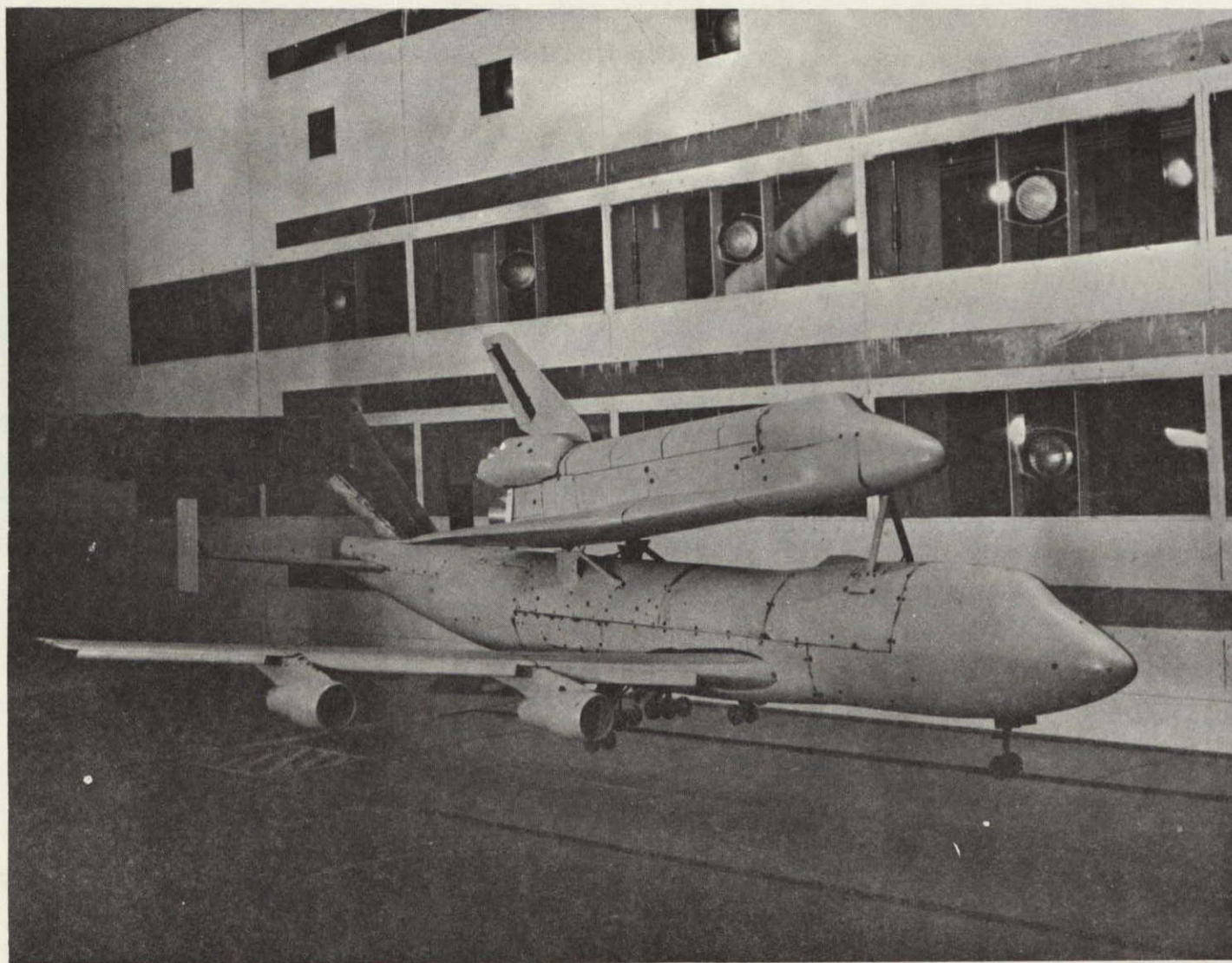
d. Front View of Ferry Configuration with S_2 Swept-Blade Sting.

Figure 3. - (Continued).



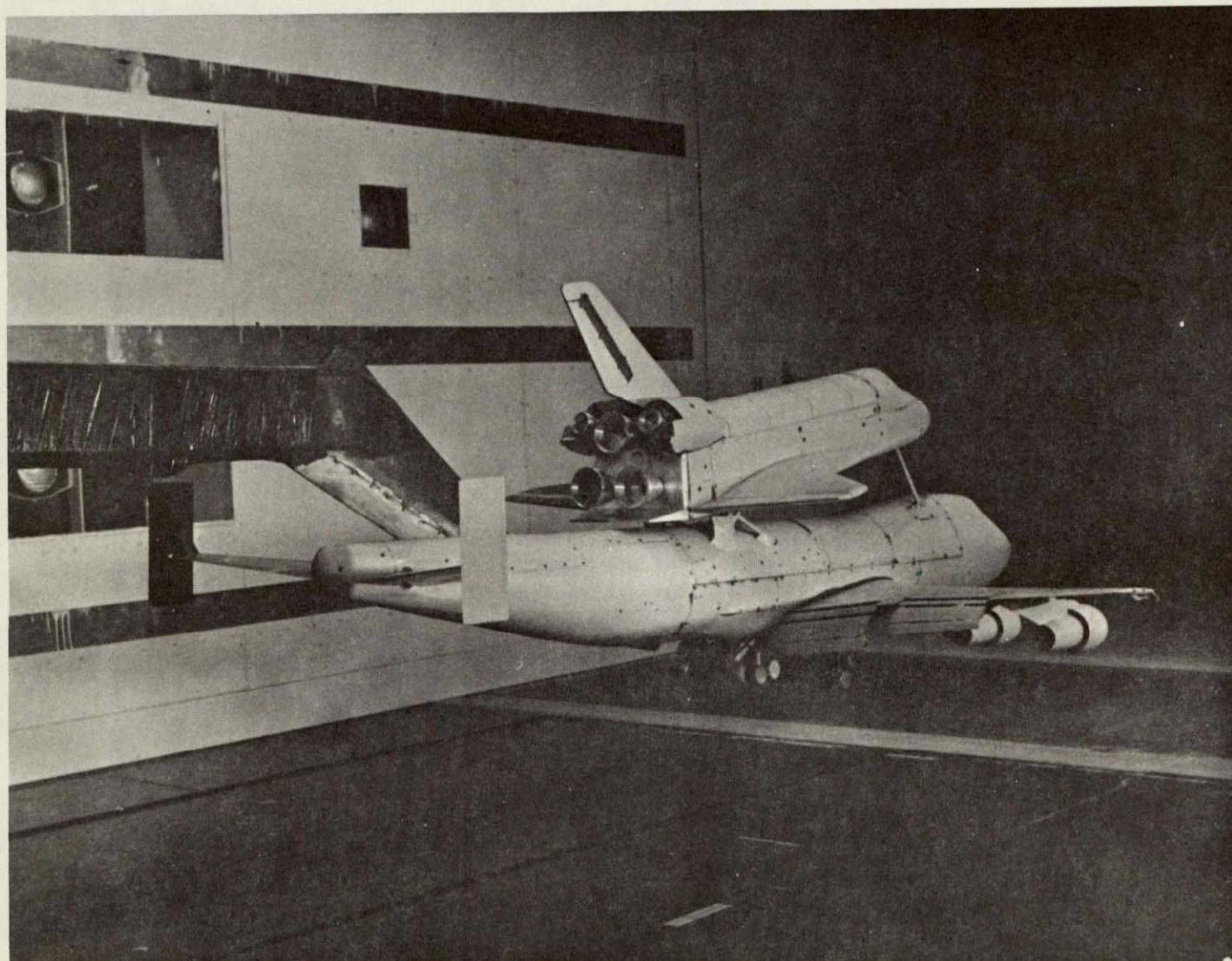
e. AFT View of Ferry Configuration with S_2 Swept-Blade Sting.

Figure 3. - (Continued).



f. Front View of ALT Configuration with S_2 Swept-Blade Sting.
Figure 3. - (Continued).

147
(Reverse of this page is blank.)



g. AFT View of AIT Configuration with S_2 Swept-Blade Sting.
Figure 3. - (Concluded).

DATA FIGURES

Volume 1	Figures. 4-222	Pages 1-743
Volume 2	Figures 223-311	Pages 744-1041

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DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RJF001)	○	(CA-8) K1V9.1.2TS1
(RJF002)	□	(CA-8) K1V9.1.2TS1H15.1
(RJF003)	◇	(CA-8) K1V9.1.2TS2H15.1F10

ELEVTR	STAB	BETA
.000	3.000	.000
.000	-2.000	.000

REFERENCE INFORMATION		
SREF	5500.0000	SQ.FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMRP	1339.9100	IN.XC
YMRP	.0000	IN.YC
ZMRP	190.7500	IN.ZC
SCALE	.0400	

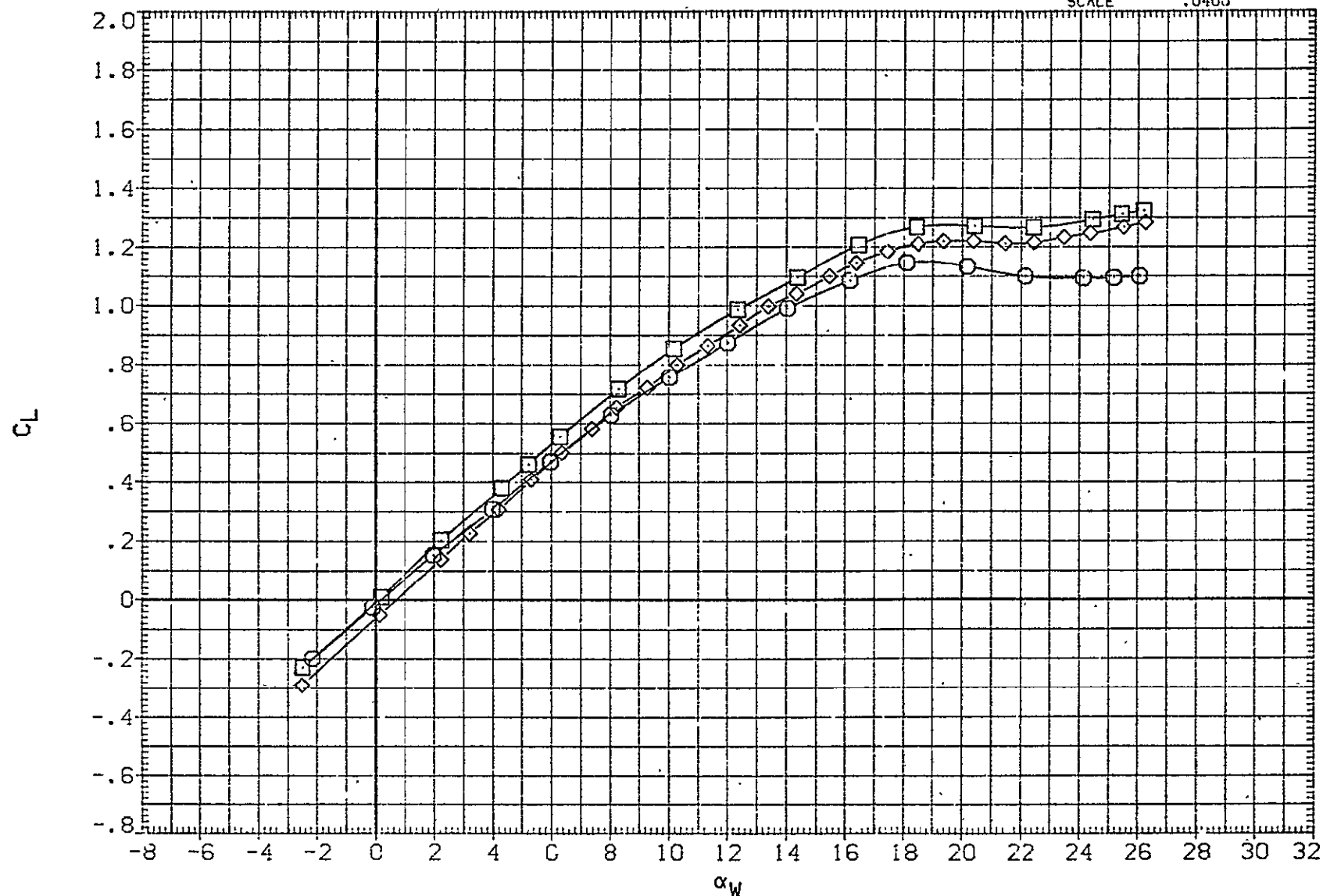


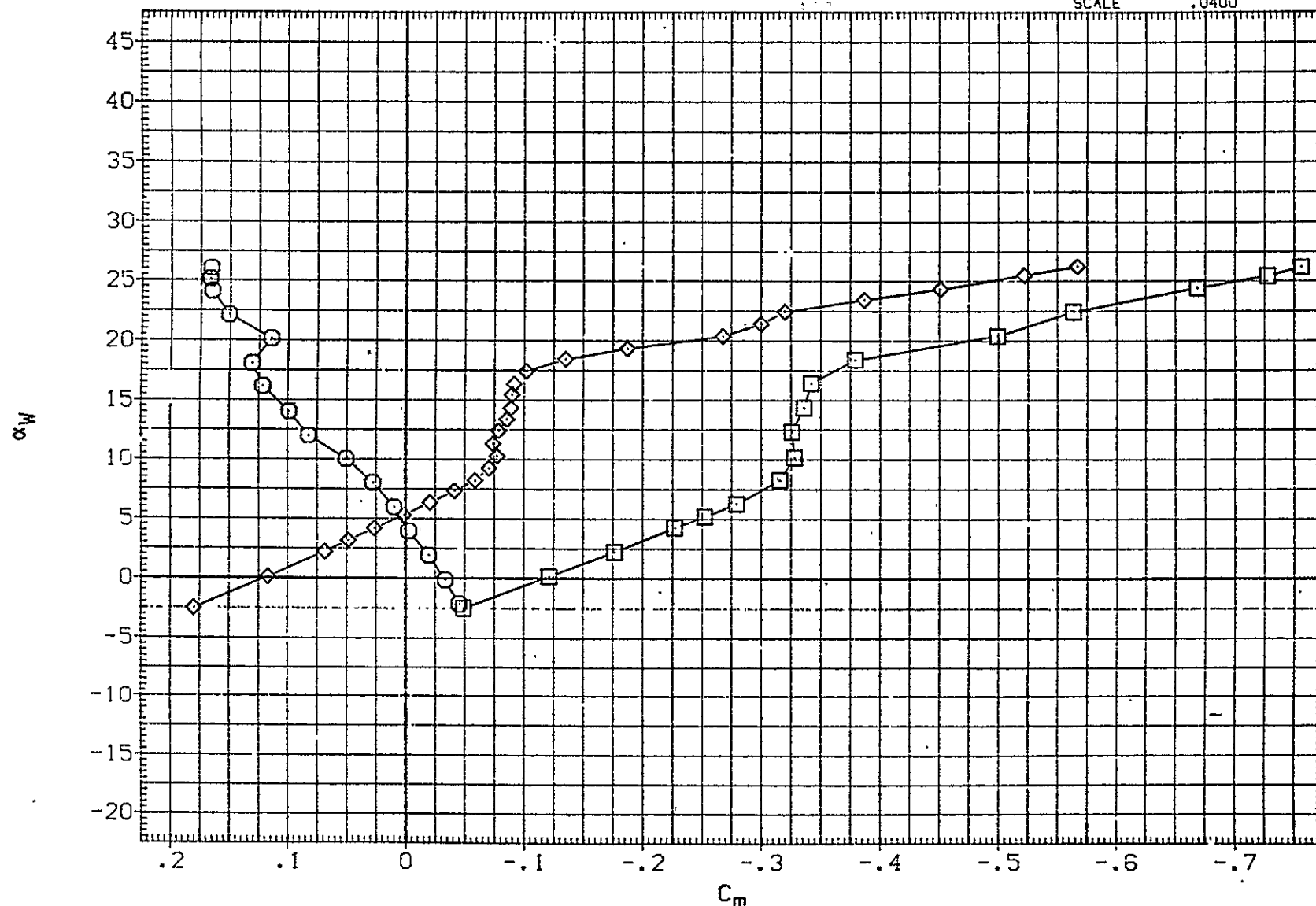
FIG 4 CARRIER ALONE STABILIZER EFFECTIVENESS, FLAPS UP
MAIN BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RJF001)	○	(CA-8) KIV9.1.2TS1
(RJF002)	□	(CA-8) KIV9.1.2TS1H15.1
(RJF003)	◇	(CA-8) KIV9.1.2TS2H15.1F10

ELEVTR	STAB	BEFA
.000	3.000	.000
.000	-2.000	.000

REFERENCE INFORMATION		
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BREF	2348.0000	IN.
XMRP	1339.9100	IN. XC
YMRP	.0000	IN. YC
ZMRP	-190.7500	IN. ZC
SCALE	.0400	



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RJF001)	○	(CA-8) K1V9.1.2TS1
(RJF002)	□	(CA-8) K1V9.1.2TS1H15.1
(RJF003)	◇	(CA-8) K1V9.1.2TS2H15.1F10

ELEVTR	STAB	BETA
.000	3.000	.000
.000	-2.000	.000

REFERENCE INFORMATION		
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LREF	327.8000	IN.
BREF	2348.0000	IN.
XM RP	1339.9100	IN. XC
YM RP	.0000	IN. YC
ZM RP	190.7500	IN. ZC
SCALE	.0400	

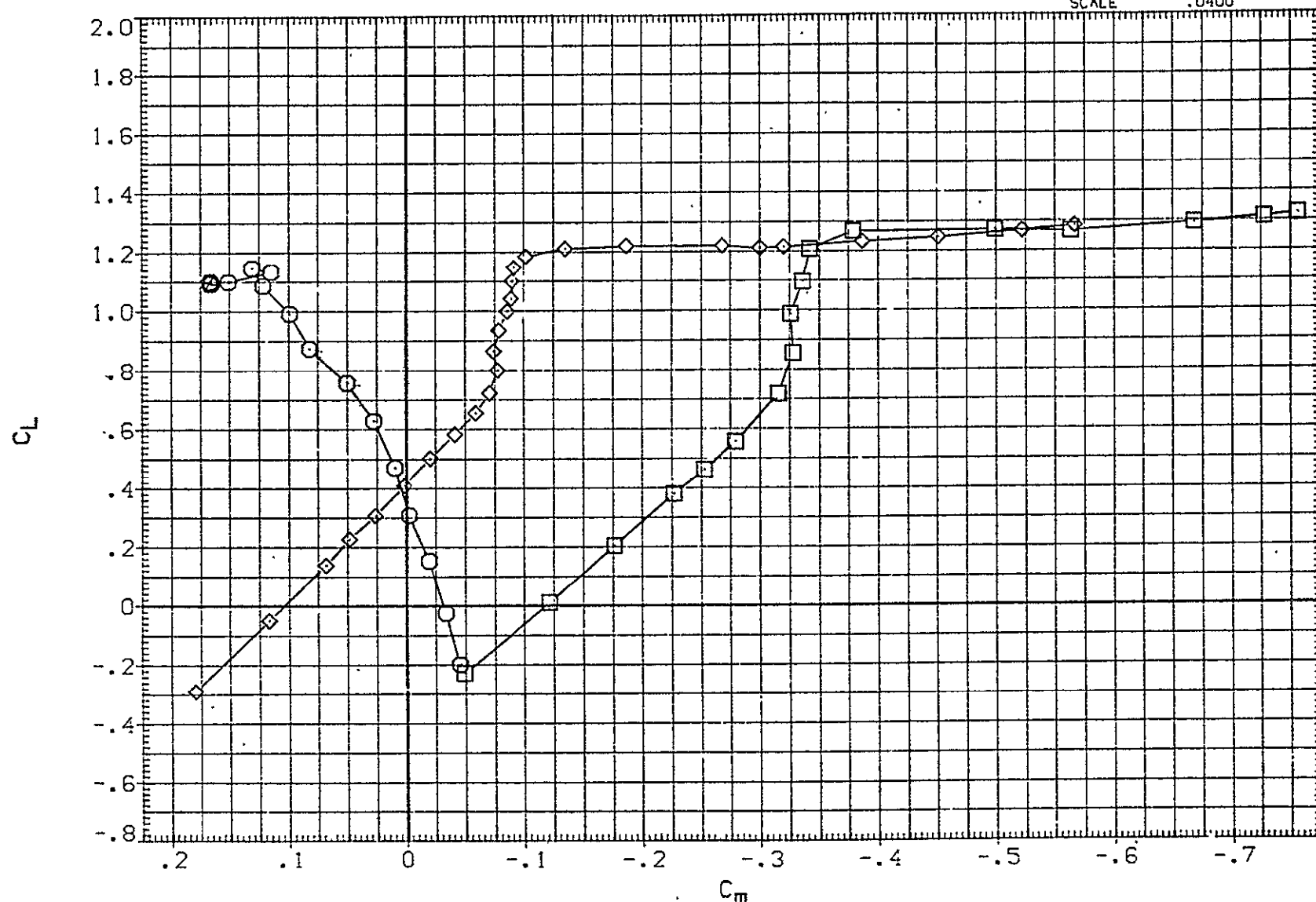


FIG 4 CARRIER ALONE STABILIZER EFFECTIVENESS, FLAPS UP
-MAIN BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RJF001)	○	(CA-8) KIV9.1.2TS1
(RJF002)	□	(CA-8) KIV9.1.2TS1H15.1
(RJF003)	◇	(CA-8) KIV9.1.2TS2H15.1F10

ELEVTR	STAB	BETA
.000	3.000	.000
.000	-2.000	.000

REFERENCE INFORMATION		
SREF	5500.0000	SQ.FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMRF	1339.9100	IN.XC
YMRP	.0000	IN.YC
ZMRP	190.7500	IN.ZC
SCALE	.0400	

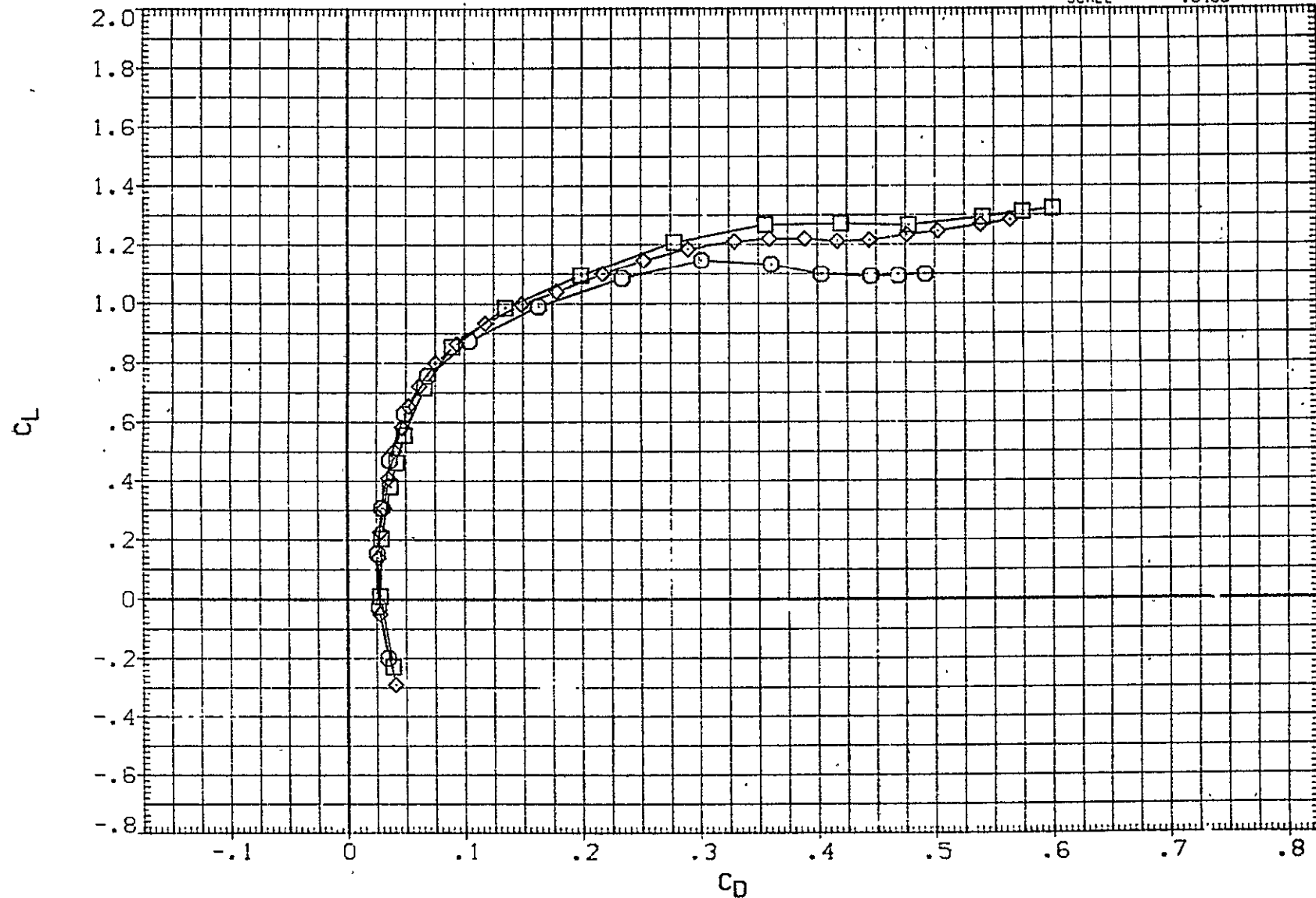


FIG 4 CARRIER ALONE STABILIZER EFFECTIVENESS, FLAPS UP
MAIN BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RJF004)	○	(CA-8) K1V9.1.2TS2H15.1F10
(RJF010)	□	(CA-8) K1V9.1.2TS2H15.1F10
(RJF011)	◇	(CA-8) K1V9.1.2TS2H15.1F10
(RJF013)	△	(CA-8) K1V9.1.2TS2H15.1F20

ELEVTR	STAB	BE"A
.000	-2.000	.000
.000	-4.000	.000
.000	.000	.000

REFERENCE INFORMATION		
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YMRP	.0000	IN.YC
ZMRP	190.7500	IN.ZC
SCALE	.0400	

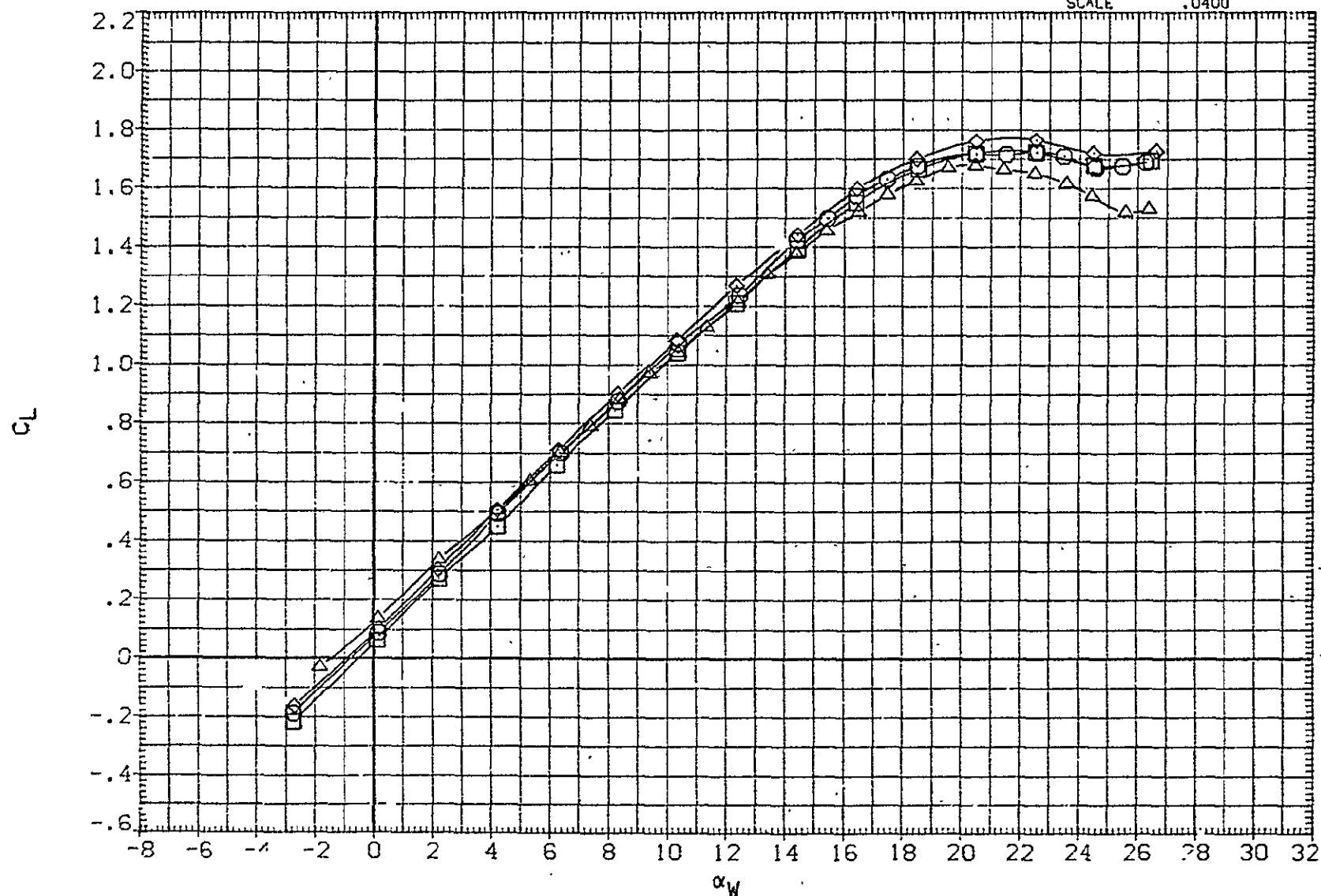


FIG 5 CARRIER ALONE STABILIZER EFFECTIVENESS, 10 DEG. FLAPS
MAIN BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RJF004)	○	(CA-8) K1V9.1.2TS2H15.1F10
(RJF010)	□	(CA-8) K1V9.1.2TS2H15.1F10
(RJF011)	◇	(CA-8) K1V9.1.2TS2H15.1F10
(RJF013)	△	(CA-8) K1V9.1.2TS2H15.1F20

ELEVTR	STAB	BETA
.000	-2.000	.000
.000	-4.000	.000
.000	.000	.000
.000	.000	.000

REFERENCE INFORMATION		
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LREF	327.8000	IN.
BREF	2348.0000	IN.
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YMRP	.0000	IN.YC
ZMRP	190.7500	IN.ZC
SCALE	.0400	

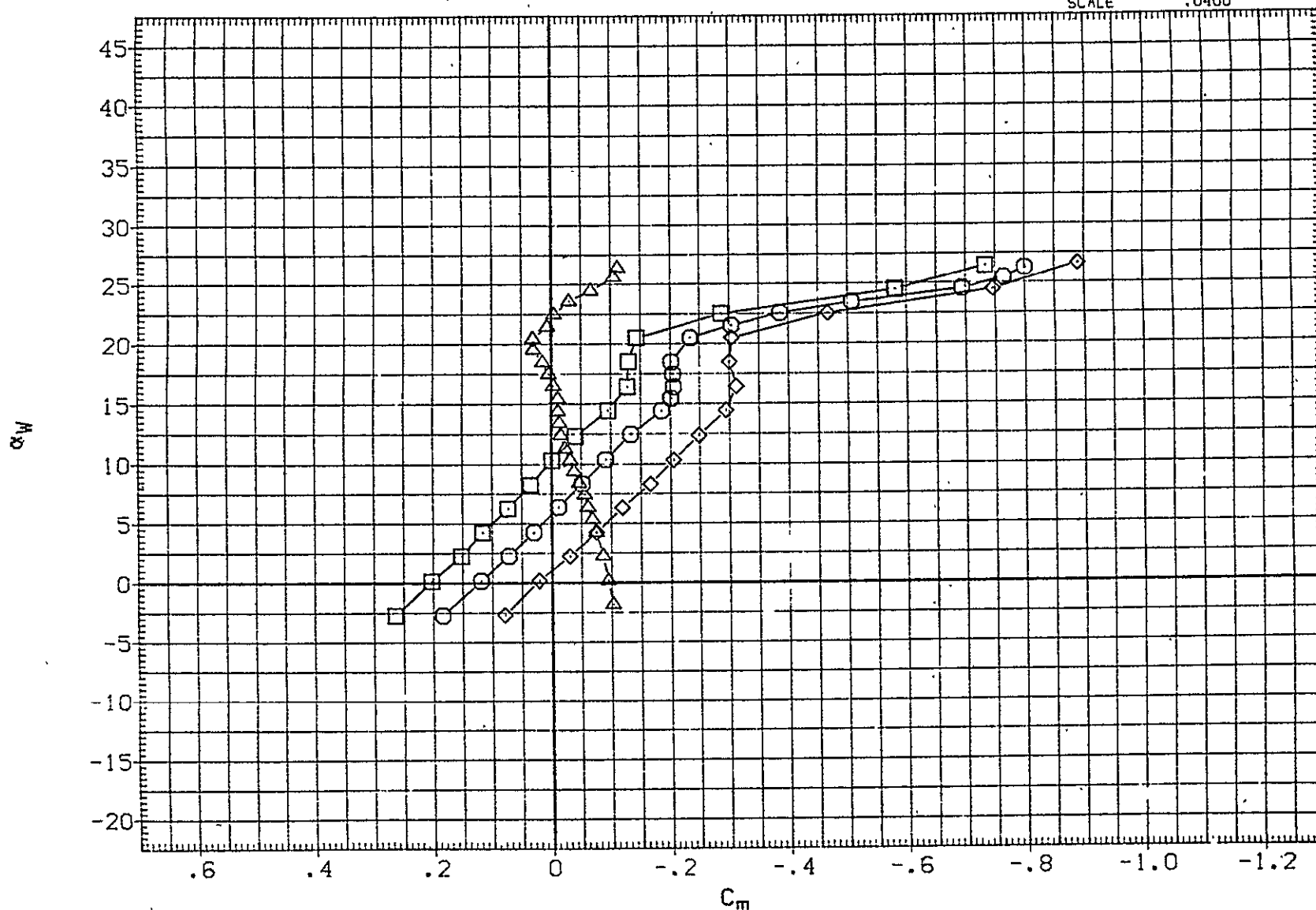


FIG 5

CARRIER ALONE STABILIZER EFFECTIVENESS, 10 DEG. FLAPS
MAIN BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RJF004)	○	(CA-8) K1V9.1.2TS2H15.1F10
(RJF010)	□	(CA-8) K1V9.1.2TS2H15.1F10
(RJF011)	◇	(CA-8) K1V9.1.2TS2H15.1F10
(RJF013)	△	(CA-8) K1V9.1.2TS2H15.1F20

ELEVTR	STAB	BETA
.000	-2.000	.000
.000	-4.000	.000
.000	.000	.000

REFERENCE INFORMATION		
SREF	5500.0000	SQ.FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
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YMRF	.0000	IN.YC
ZMRF	190.7500	IN.ZC
SCALE	.0400	

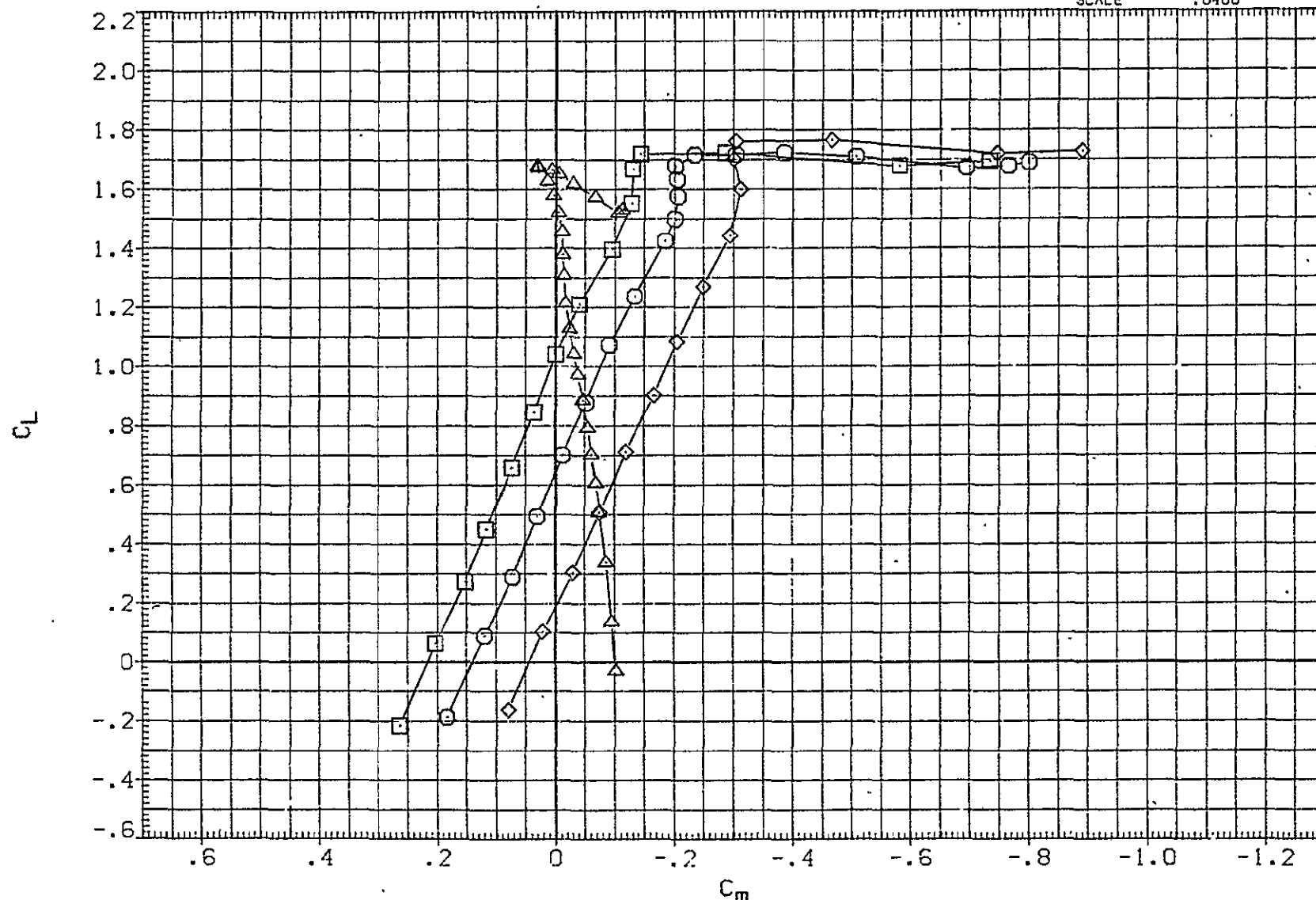


FIG 5 CARRIER ALONE STABILIZER EFFECTIVENESS, 10 DEG. FLAPS
MAIN BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RJFO04)	○	(CA-8) K1V9.1.2TS2H15.1F10
(RJFO10)	□	(CA-8) K1V9.1.2TS2H15.1F10
(RJFO11)	◇	(CA-8) K1V9.1.2TS2H15.1F10
(RJFO13)	△	(CA-8) K1V9.1.2TS2H15.1F20

ELEVTR	STAB	BETA
.000	-2.000	.000
.000	-4.000	.000
.000	.000	.000
		.000

REFERENCE INFORMATION		
SREF	5500.0000	SQ.FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
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YMRP	.0000	IN. YC
ZMRP	190.7500	IN. ZC
SCALE	.0400	

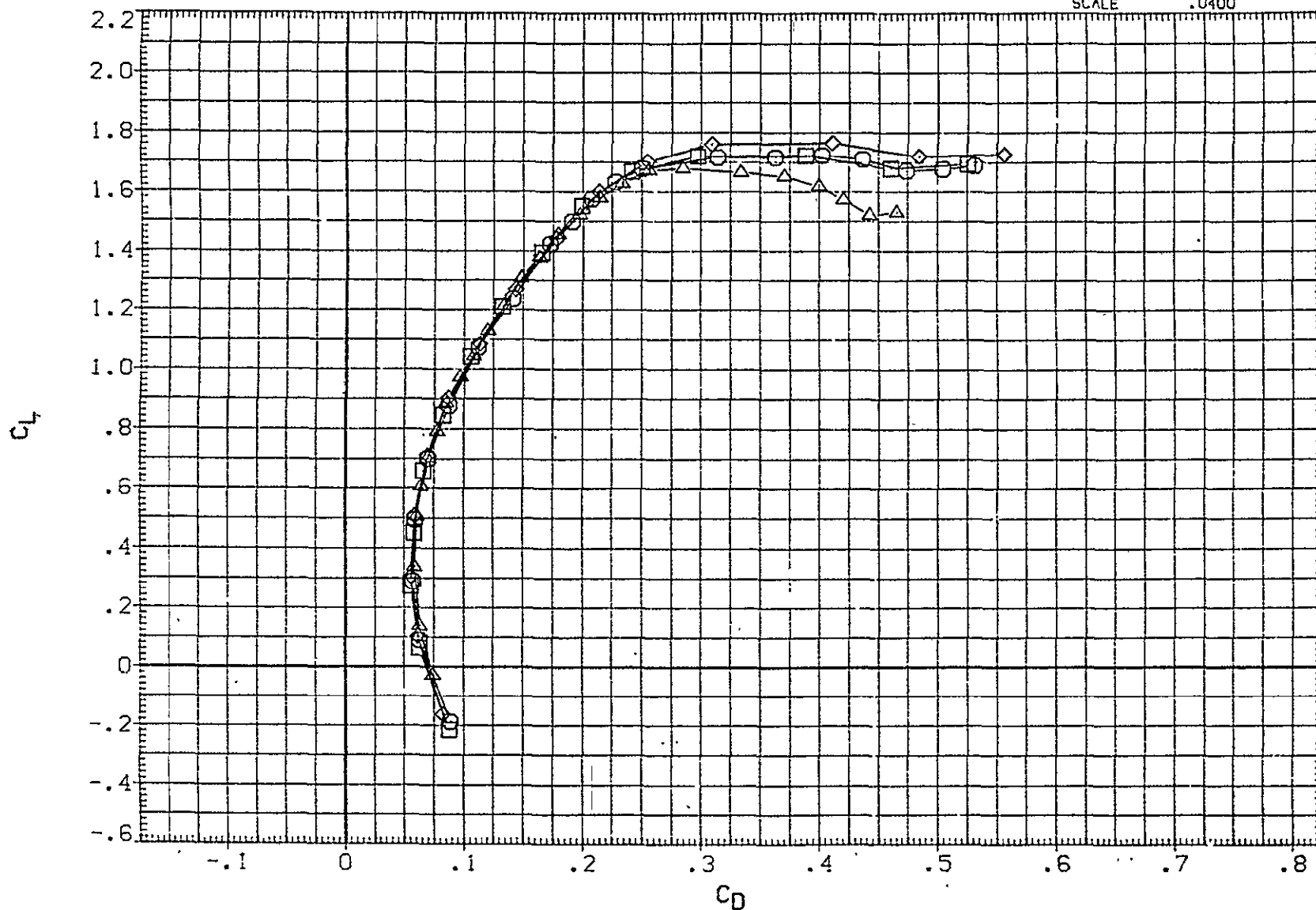


FIG 5 CARRIER ALONE STABILIZER EFFECTIVENESS, 10 DEG. FLAPS
MAIN BALANCE DATA-ALPHA SWEEPS

(A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BETA	REFERENCE INFORMATION		
(RJF014)	○	(CA-8) K1V9.1.2TS2H15.1F20			.000	SREF	5500.0000	50.FT.
(RJF015)	□	(CA-8) K1V9.1.2TS2H15.1F20	.000	-6.000	.000	LREF	327.8000	IN.
(RJF016)	◇	(CA-8) K1V9.1.2TS2H15.1F20	.000	-4.000	.000	BREF	2348.0000	IN.
(RJF017)	△	(CA-8) K1V9.1.2TS2H15.1F20	.000	-2.000	.000	XMRP	1339.9100	IN.XC
						YMRP	.0000	IN.YC
						ZMRP	190.7500	IN.ZC
						SCALE	.0400	

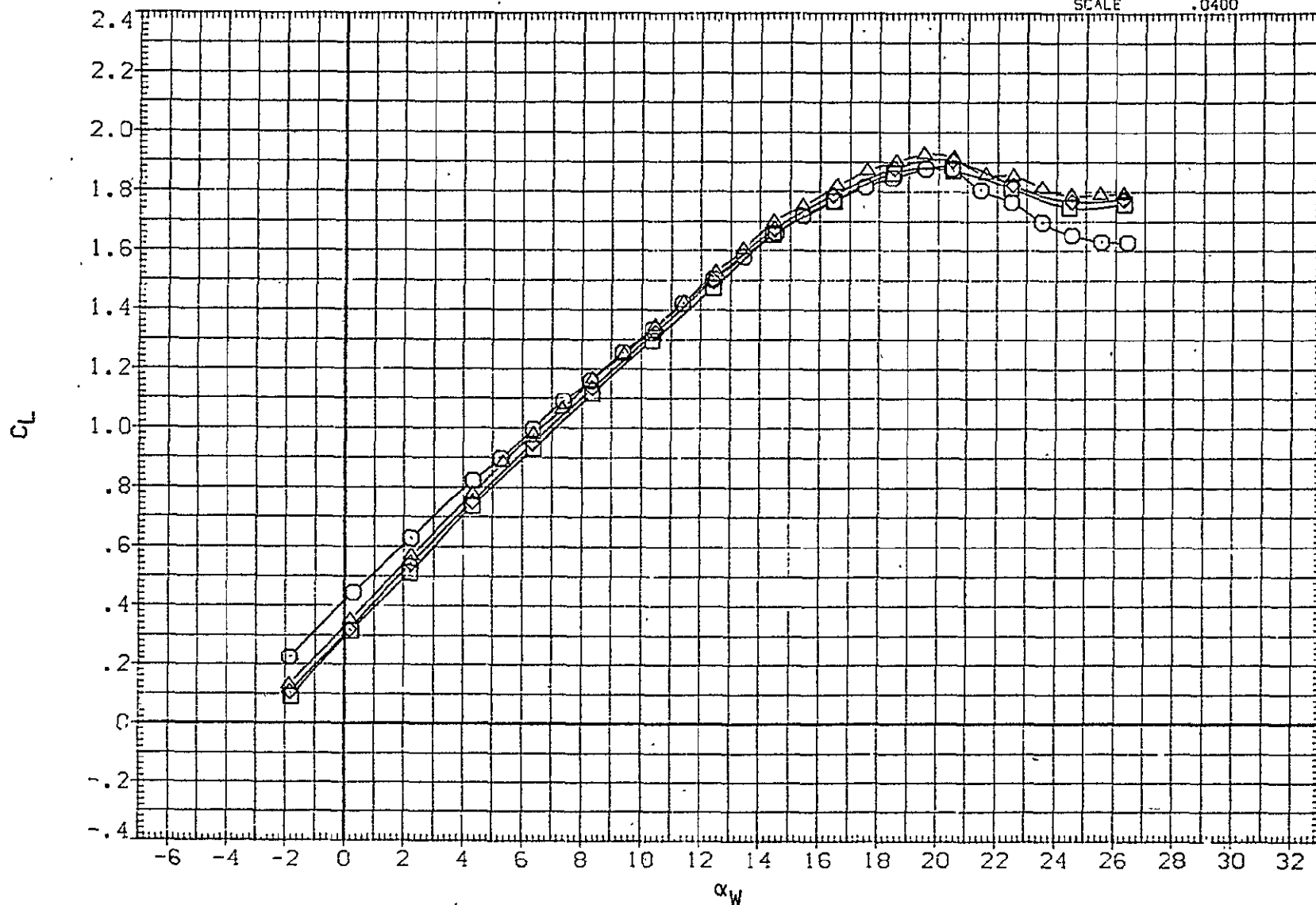


FIG 6 CARRIER ALONE STABILIZER EFFECTIVENESS, 20 DEG. FLAPS
MAIN BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RJF014)	○	(CA-8) K1V9.1.2TS2H15.1F20
(RJF015)	□	(CA-8) K1V9.1.2TS2H15.1F20
(RJF016)	◇	(CA-8) K1V9.1.2TS2H15.1F20
(RJF017)	△	(CA-8) K1V9.1.2TS2H15.1F20

ELEVTR	STAB	BETA
.000	-6.000	.000
.000	-4.000	.000
.000	-2.000	.000

REFERENCE INFORMATION		
SREF	5500.0000	SQ.FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMRP	1339.9100	IN. XC
YMRP	.0000	IN. YC
ZMRP	190.7500	IN. ZC
SCALE	.0400	

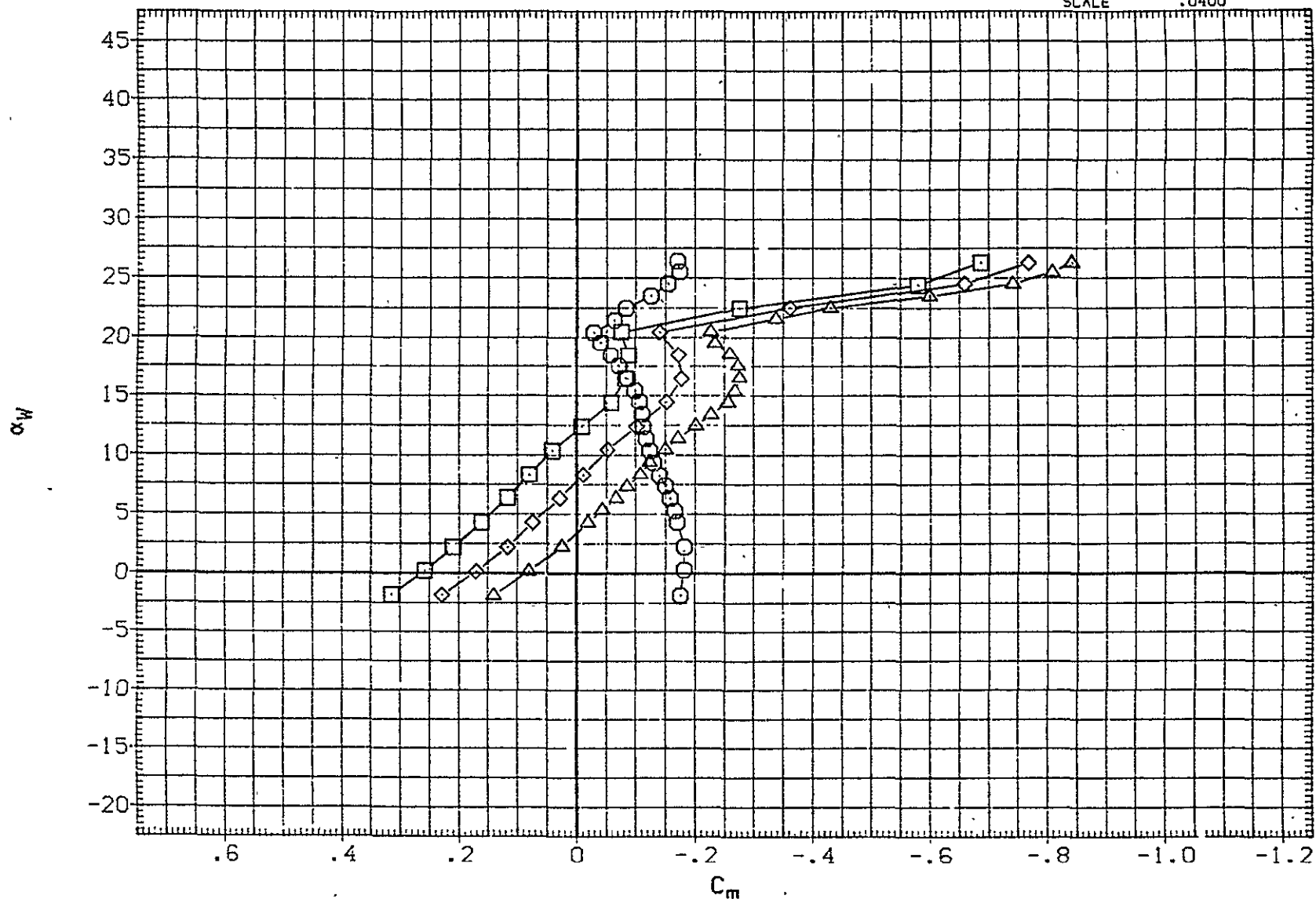


FIG 6 CARRIER ALONE STABILIZER EFFECTIVENESS, 20 DEG. FLAPS
MAIN BALANCE DATA-ALPHA SWEEPS

(A) MACH = .15

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DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RJFO14)	○	(CA-8) K1V9.1.2TS2H15.1F20
(RJFO15)	□	(CA-8) K1V9.1.2TS2H15.1F20
(RJFO16)	◇	(CA-8) K1V9.1.2TS2H15.1F20
(RJFO17)	△	(CA-8) K1V9.1.2TS2H15.1F20

ELEVTR	STAB	BETA
.000	-6.000	.000
.000	-4.000	.000
.000	-2.000	.000

REFERENCE INFORMATION		
SREF	5500.0000	SQ.FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMRP	1339.9100	IN.XC
YMRP	.0000	IN.YC
ZMRP	190.7500	IN.ZC
SCALE	.0400	

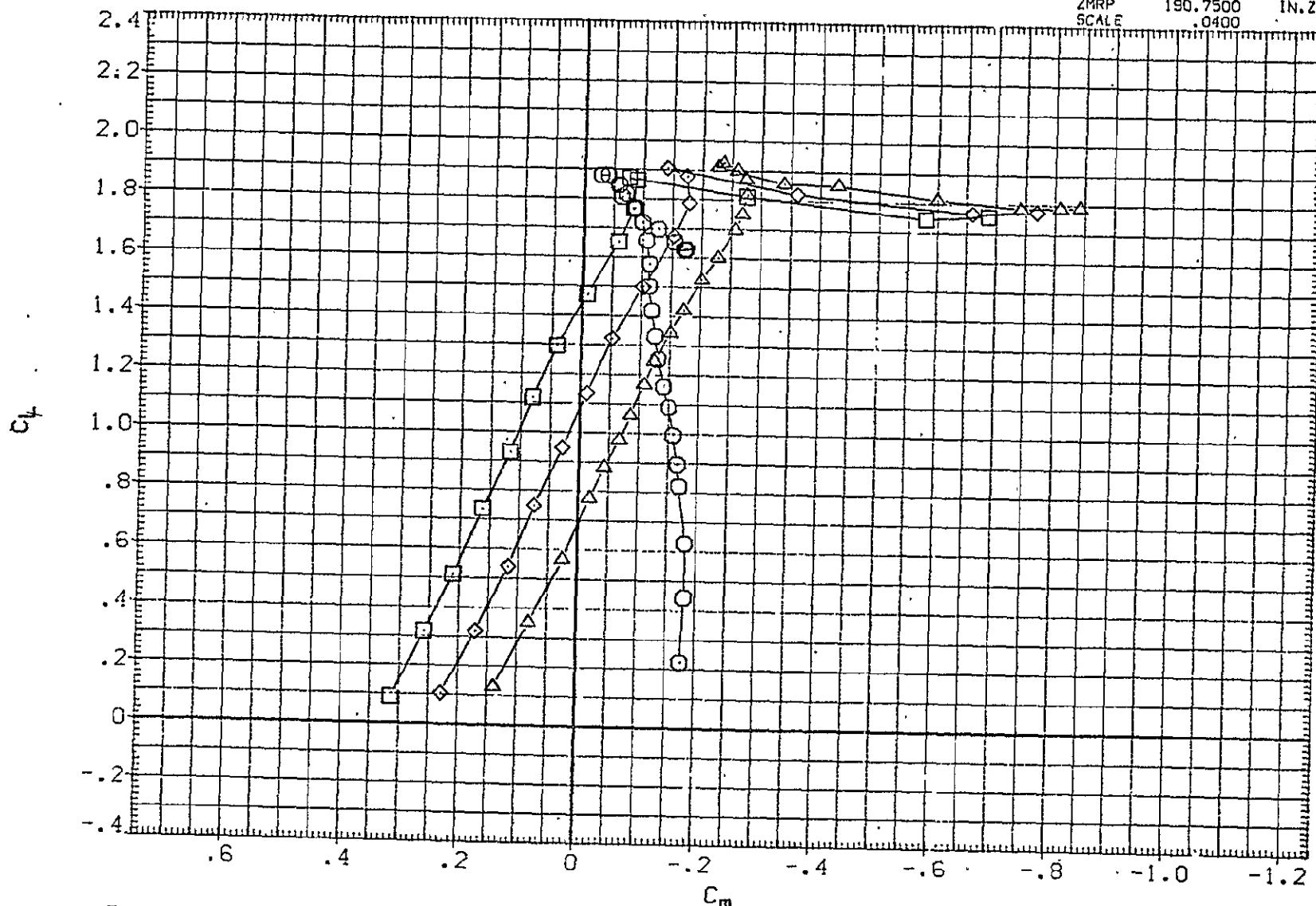


FIG 6 CARRIER ALONE STABILIZER EFFECTIVENESS, 20 DEG. FLAPS
(A) MACH = .15
MAIN BALANCE DATA-ALPHA SWEEPS

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RJFO14)	○	(CA-8) KIV9.1.2TS2H15.1F20
(RJFO15)	□	(CA-8) KIV9.1.2TS2H15.1F20
(RJFO16)	◇	(CA-8) KIV9.1.2TS2H15.1F20
(RJFO17)	△	(CA-8) KIV9.1.2TS2H15.1F20

ELEVTR	STAB	BETA
.000	-6.000	.000
.000	-4.000	.000
.000	-2.000	.000

REFERENCE INFORMATION		
SREF	5500.0000	SQ. FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XM RP	1339.9100	IN. XC
YM RP	.0000	IN. YC
ZM RP	190.7500	IN. ZC
SCALE	.0400	

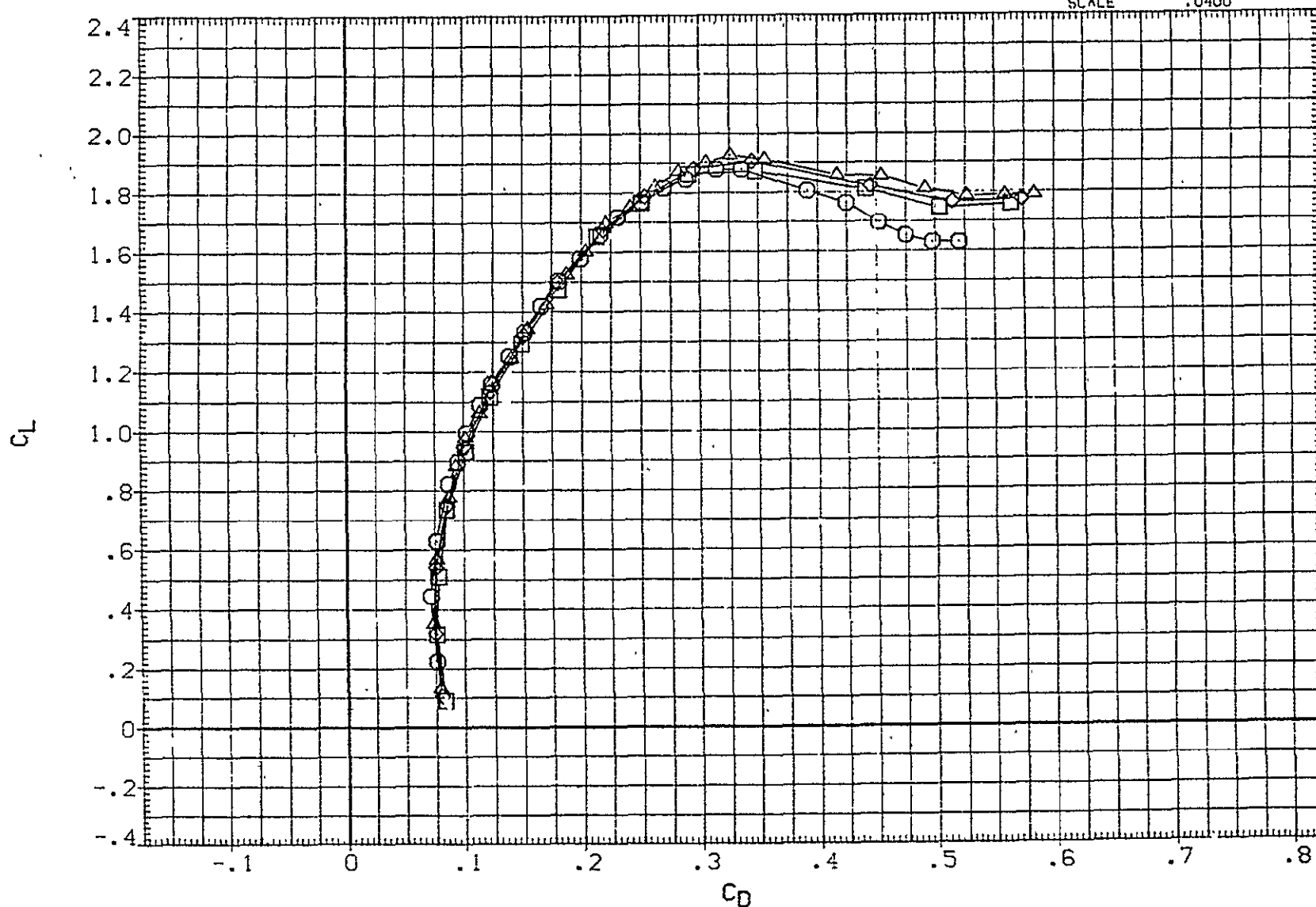


FIG 6 CARRIER ALONE STABILIZER EFFECTIVENESS, 20 DEG. FLAPS
MAIN BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BETA	REFERENCE INFORMATION		
(RJF028)	○	(CA-8) K1V9.1.2TS2H15.1F30G5.3.5	.000	-6.000	.000	SREF	5500.0000	SQ.FT.
(RJF029)	□	(CA-8) K1V9.1.2TS2H15.1F30G5.3.5	.000	-4.000	.000	LREF	327.8000	IN.
(RJF030)	◇	(CA-8) K1V9.1.2TS2H15.1F30G5.3.5	.000	-2.000	.000	BREF	2348.0000	IN.
(RJF031)	△	(CA-8) K1V9.1.2TS2H15.1F30G5.3.5	.000	-2.000	.000	XMRP	1339.9100	IN.XC
(RJF032)	▽	(CA-8) K1V9.1.2TS2 F30G5.3.5			.000	YMRP	.0000	IN.YC
						ZMRP	190.7500	IN.ZC
						SCALE	.0400	

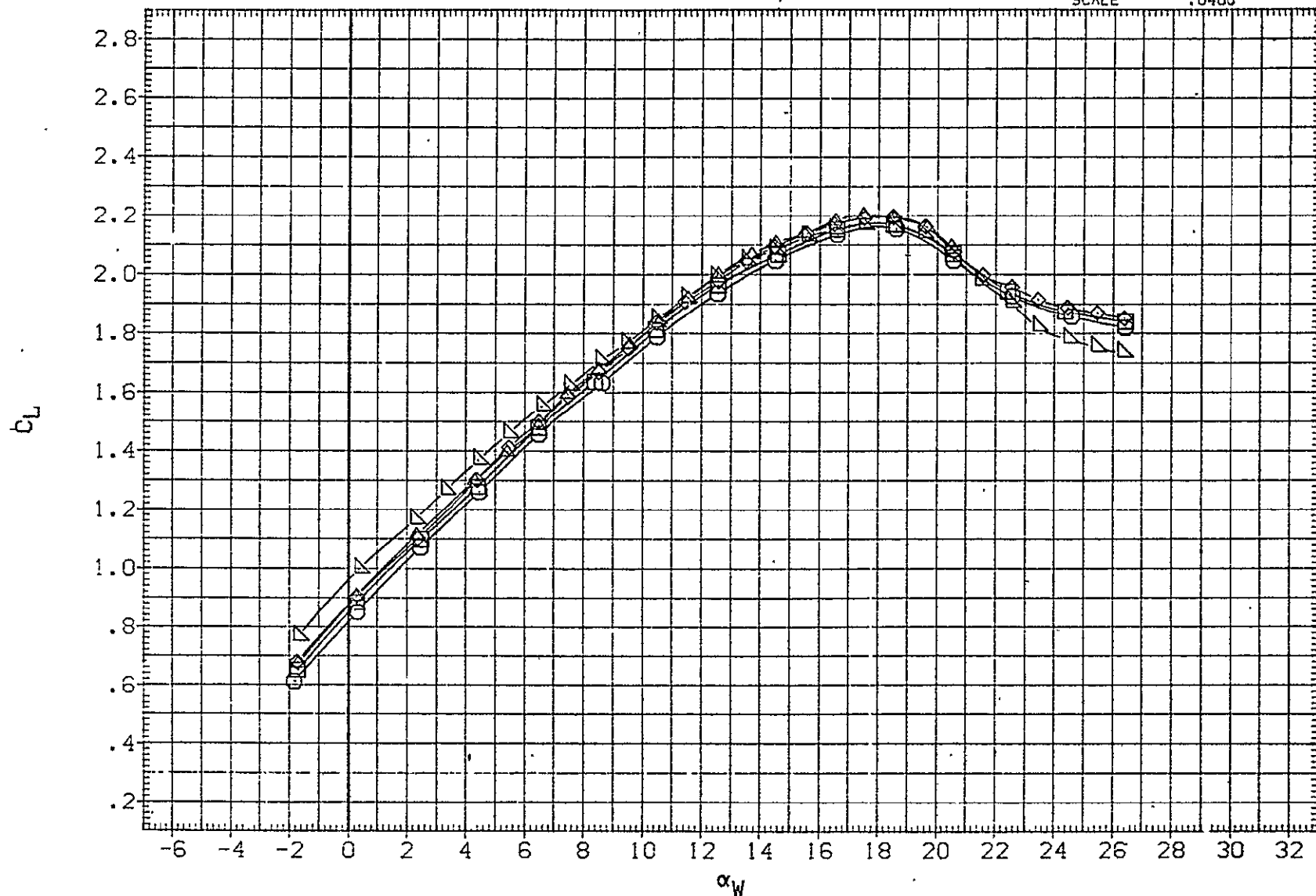


FIG 7 CARRIER ALONE STABILIZER EFFECTIVENESS, 30 DEG. FLAPS
MAIN BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BETA	REFERENCE INFORMATION		
(RJF028)	○	(CA-8) K1V9.1.2TS2H15.1F30G5.3.5	.000	-6.000	.000	SREF	5500.0000	SQ.FT.
(RJF029)	□	(CA-8) K1V9.1.2TS2H15.1F30G5.3.5	.000	-4.000	.000	LREF	327.8000	IN.
(RJF030)	◇	(CA-8) K1V9.1.2TS2H15.1F30G5.3.5	.000	-2.000	.000	BREF	2348.0000	IN.
(RJF031)	△	(CA-8) K1V9.1.2TS2H15.1F30G5.3.5	.000	-2.000	.000	XMRP	1339.9100	IN. XC
(RJF032)	▽	(CA-8) K1V9.1.2TS2 F30G5.3.5	.000	-2.000	.000	YMRP	.0000	IN. YC
						ZMRP	190.7500	IN. ZC
						SCALE	.0400	

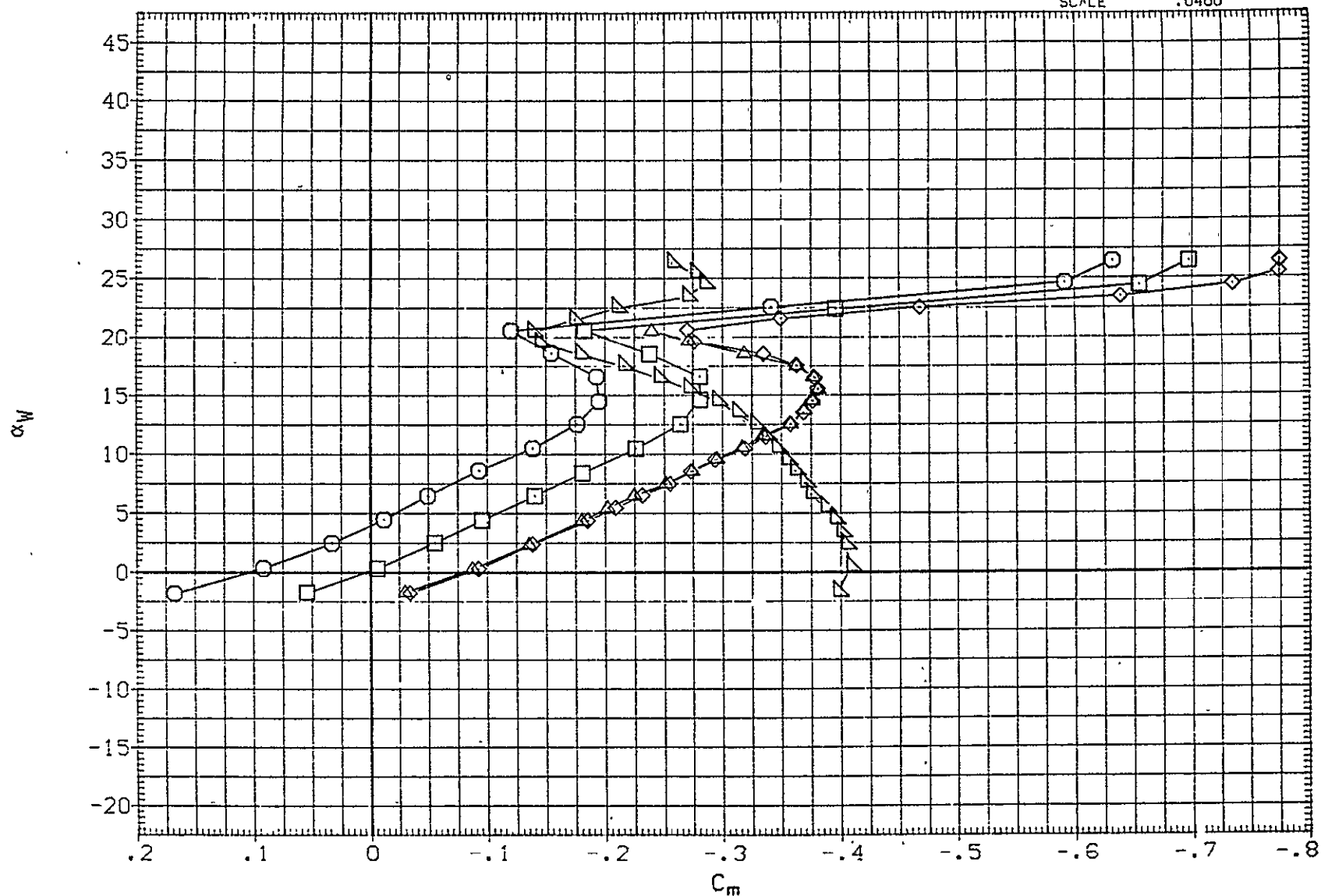


FIG 7 CARRIER ALONE STABILIZER EFFECTIVENESS, 30 DEG. FLAPS
MAIN BALANCE DATA-ALPHA SWEEPS

(A) MACH = .15

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DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BETA	REFERENCE INFORMATION		
(RJF028)	○	(CA-8) KIV9.1.2TS2H15.1F30G5.3.5	.000	-6.000	.000	SREF	5500.0000	SG.FT.
(RJF029)	□	(CA-8) KIV9.1.2TS2H15.1F30G5.3.5	.000	-4.000	.000	LREF	327.8000	IN.
(RJF030)	◇	(CA-8) KIV9.1.2TS2H15.1F30G5.3.5	.000	-2.000	.000	BREF	2348.0000	IN.
(RJF031)	△	(CA-8) KIV9.1.2TS2H15.1F30G5.3.5	.000	-2.000	.000	XMRF	1339.9100	IN.XC
(RJF032)	▽	(CA-8) KIV9.1.2TS2 F30G5.3.5			.000	YMRP	.0000	IN.YC
						ZMRP	190.7500	IN.ZC
						SCALE	.0400	

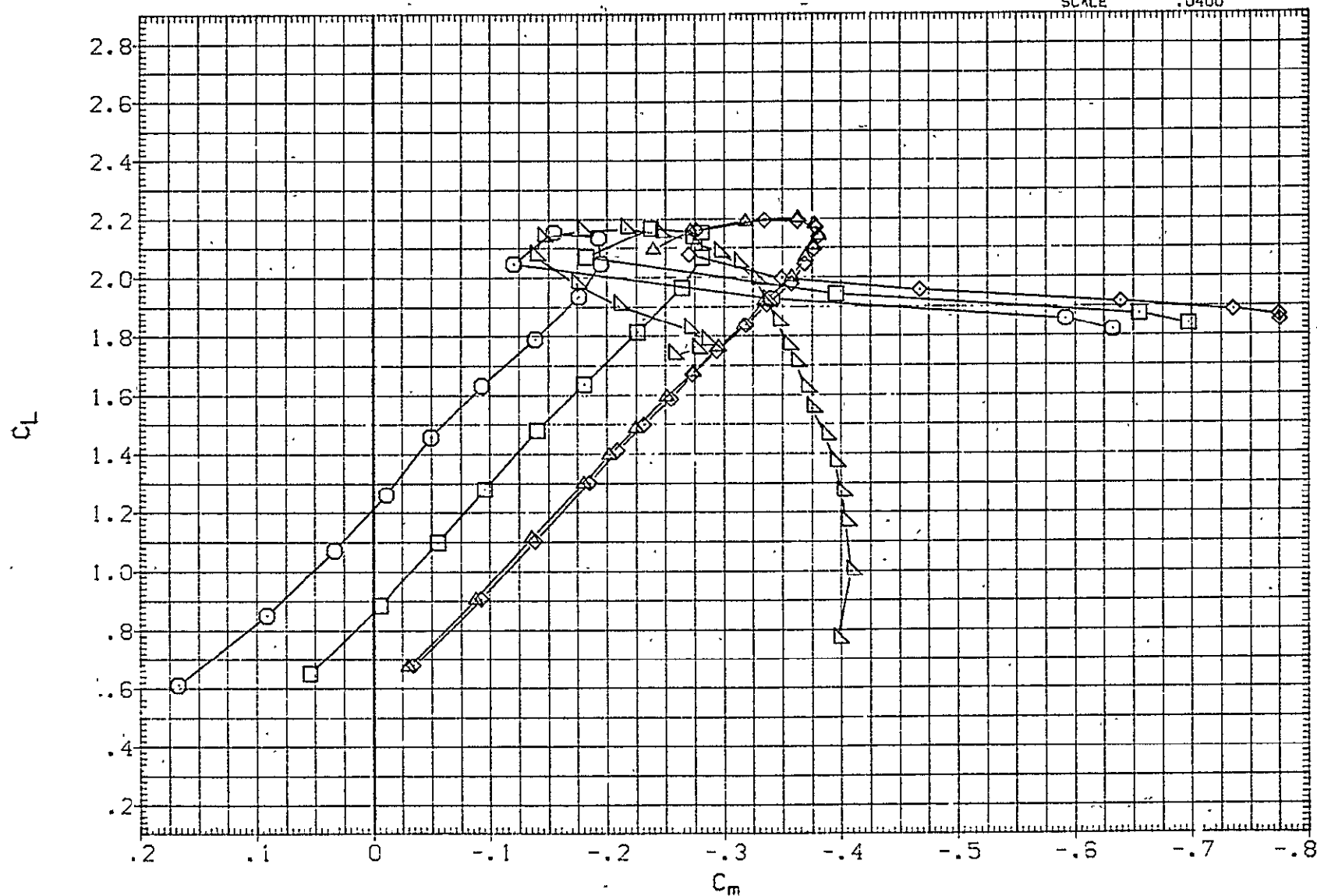


FIG 7 CARRIER ALONE STABILIZER EFFECTIVENESS, 30 DEG. FLAPS
MAIN BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BETA	REFERENCE INFORMATION		
(RJF028)	○	(CA-8) K1V9.1.2TS2H15.1F30G5.3.5	.000	-6.000	.000	SREF	5500.0000	SQ.FT.
(RJF029)	□	(CA-8) K1V9.1.2TS2H15.1F30G5.3.5	.000	-4.000	.000	LREF	327.8000	IN.
(RJF030)	◇	(CA-8) K1V9.1.2TS2H15.1F30G5.3.5	.000	-2.000	.000	BREF	2348.0000	IN.
(RJF031)	△	(CA-8) K1V9.1.2TS2H15.1F30G5.3.5	.000	-2.000	.000	XMPP	1339.9100	IN.XC
(RJF032)	▽	(CA-8) K1V9.1.2TS2 F30G5.3.5	.000	-2.000	.000	YMPP	.0000	IN.YC
						ZMRP	190.7500	IN.ZC
						SCALE	.0400	

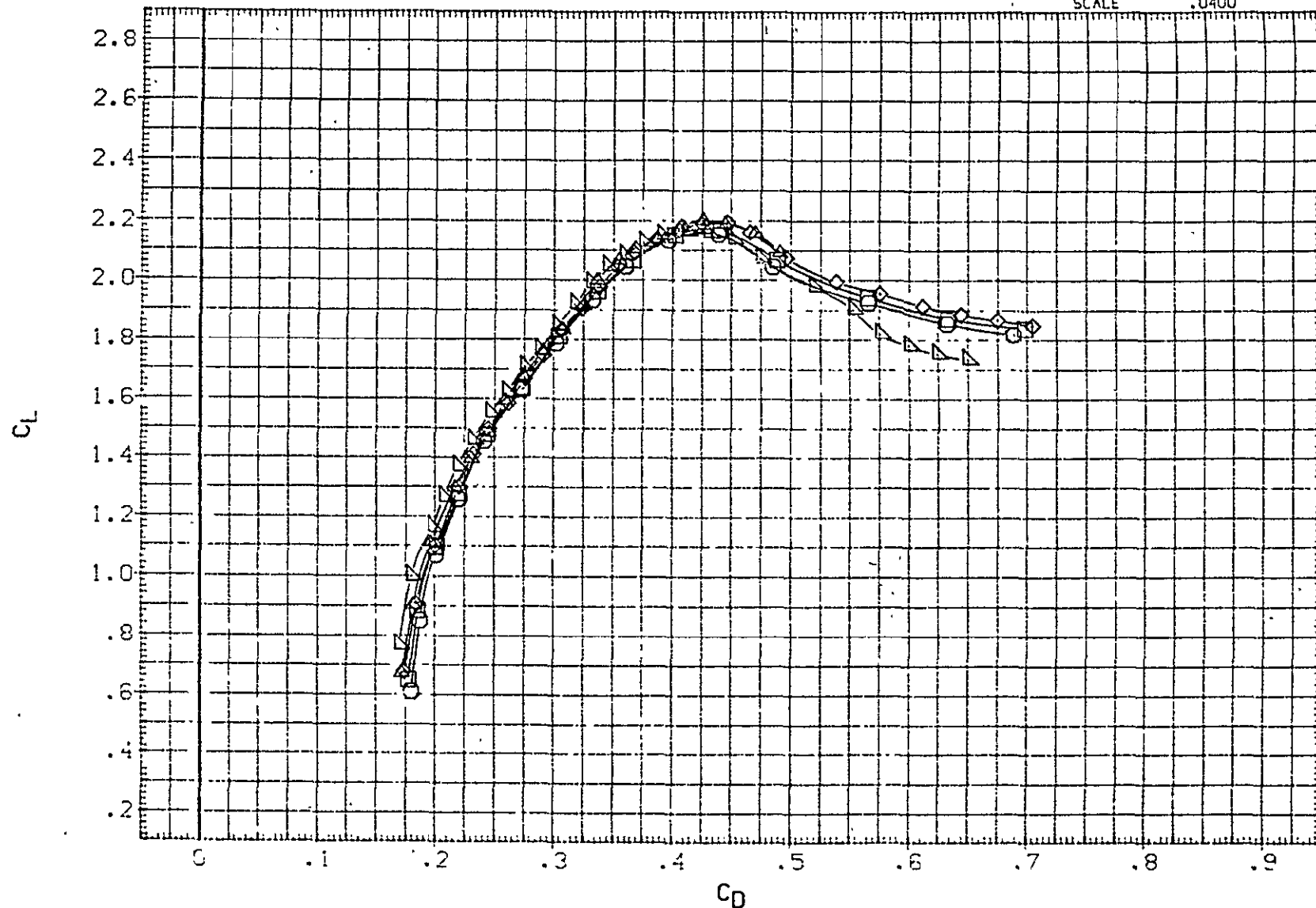


FIG 7 CARRIER ALONE STABILIZER EFFECTIVENESS, 30 DEG. FLAPS
MAIN BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RJF004)	□	(CA-8) K1V9.1.2TS2H15.1F10
(RJF005)	○	(CA-8) K1V9.1.2TS2H15.1F10
(RJF006)	◇	(CA-8) K1V9.1.2TS2H15.1F10
(RJF008)	△	(CA-8) K1V9.1.2TS2H15.1F10
(RJF009)	▽	(CA-8) K1V9.1.2TS2H15.1F10

ELEVTR	STAB	BETA
.000	-2.000	.000
17.000	-2.000	.000
10.000	-2.000	.000
-10.000	-2.000	.000
-23.000	-2.000	.000

REFERENCE INFORMATION		
SREF	5500.0000	SQ.FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMRP	1339.9100	IN.XC
YMRP	.0000	IN.YC
ZMRP	190.7500	IN.ZC
SCALE	.0400	

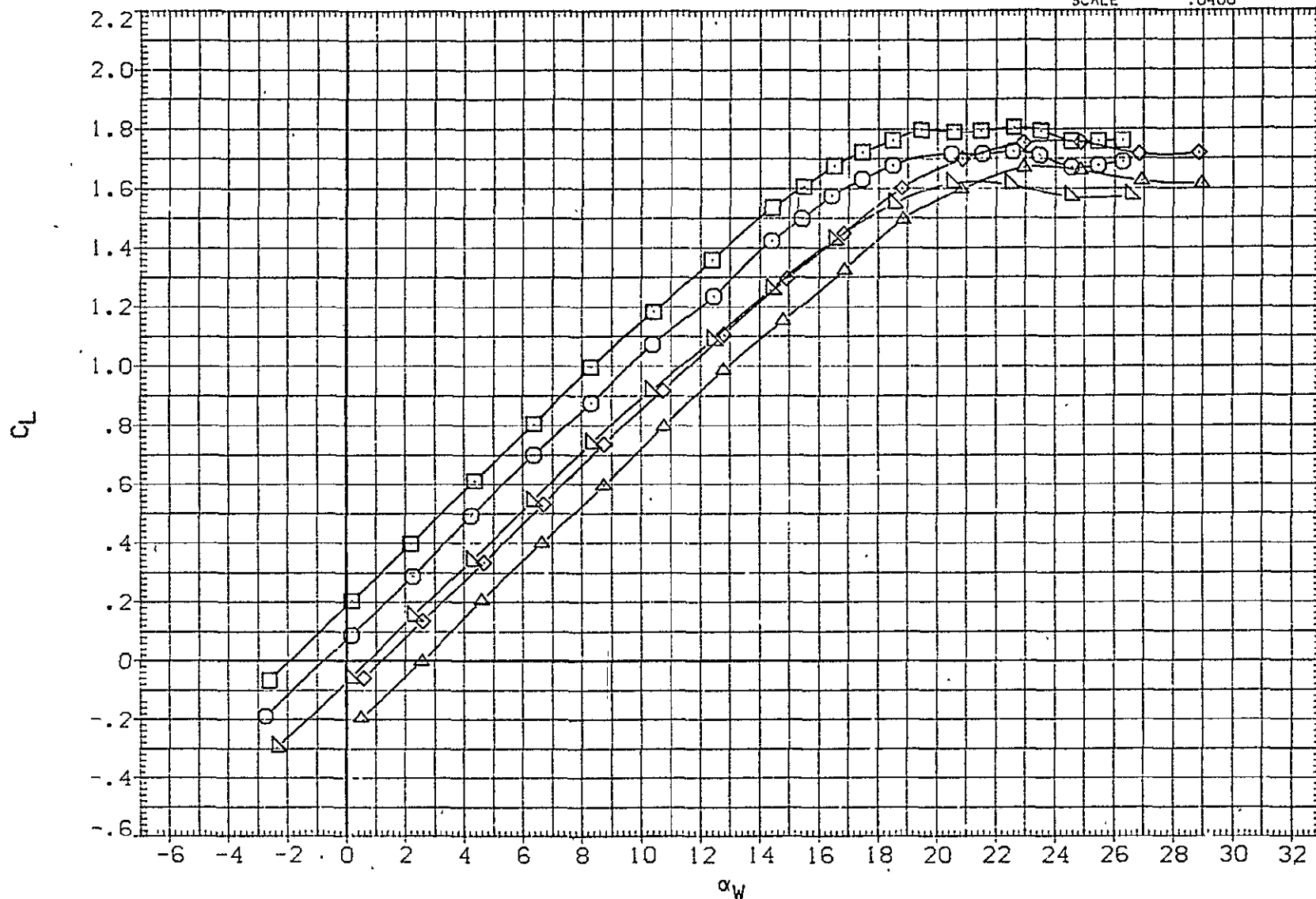


FIG 8 CARRIER ALONE ELEVATOR EFFECTIVENESS, 10 DEG. FLAPS
MAIN BALANCE DATA-ALPHA SWEEPS

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RJF004)	○	(CA-8) K1V9.1.2TS2H15.1F10
(RJF005)	□	(CA-8) K1V9.1.2TS2H15.1F10
(RJF006)	◇	(CA-8) K1V9.1.2TS2H15.1F10
(RJF008)	△	(CA-8) K1V9.1.2TS2H15.1F10
(RJF009)	▽	(CA-8) K1V9.1.2TS2H15.1F10

ELEVTR	STAB	BETA
.000	-2.000	.000
17.000	-2.000	.000
10.000	-2.000	.000
-10.000	-2.000	.000
-23.000	-2.000	.000

REFERENCE INFORMATION		
SREF	5500.0000	50. FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMRP	1339.9100	IN. XC
YMRP	.0000	IN. YC
ZMRP	190.7500	IN. ZC
SCALE	.0400	

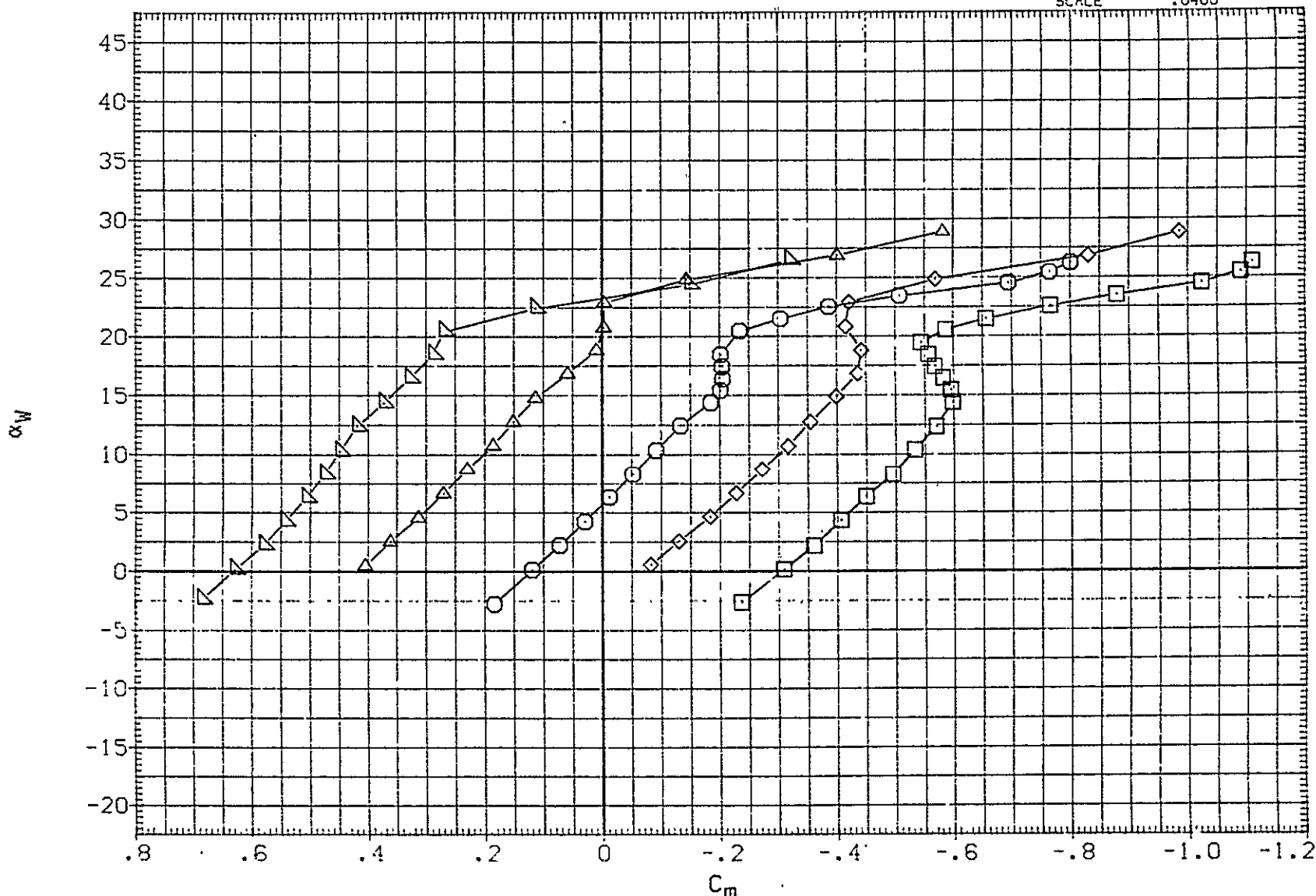


FIG 8 CARRIER ALONE ELEVATOR EFFECTIVENESS, 10 DEG. FLAPS
MAIN BALANCE DATA-ALPHA SWEEPS

(A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RJF004)	○	(CA-8) K1V9.1.2TS2H15.1F10
(RJF005)	□	(CA-8) K1V9.1.2TS2H15.1F10
(RJF006)	◇	(CA-8) K1V9.1.2TS2H15.1F10
(RJF008)	△	(CA-8) K1V9.1.2TS2H15.1F10
(RJF009)	▽	(CA-8) K1V9.1.2TS2H15.1F10

ELEVTR	STAB	BETA
.000	-2.000	.000
17.000	-2.000	.000
10.000	-2.000	.000
-10.000	-2.000	.000
-23.000	-2.000	.000

REFERENCE INFORMATION		
SREF	5500.0000	SC.FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMRP	1339.9100	IN.XC
YMRP	.0000	IN.YC
ZMRP	190.7500	IN.ZC
SCALE	.0400	

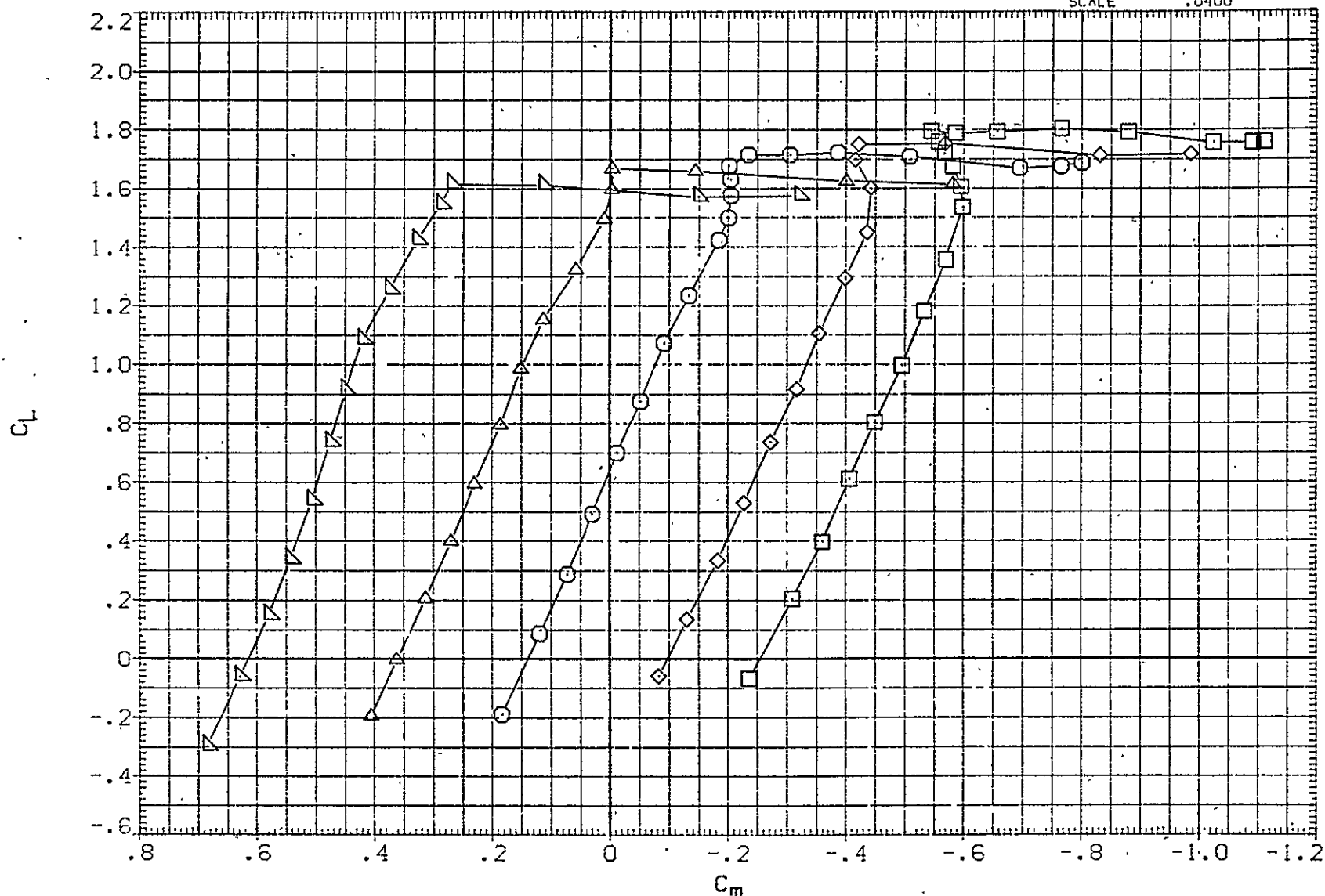


FIG 8 CARRIER ALONE ELEVATOR EFFECTIVENESS. 10 DEG. FLAPS
MAIN BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RJF004)	○	(CA-8) K1V9.1.2TS2H15.1F10
(RJF005)	□	(CA-8) K1V9.1.2TS2H15.1F10
(RJF006)	◇	(CA-8) K1V9.1.2TS2H15.1F10
(RJF008)	△	(CA-8) K1V9.1.2TS2H15.1F10
(RJF009)	▽	(CA-8) K1V9.1.2TS2H15.1F10

ELEVTR	STAB	BETA
.000	-2.000	.000
17.000	-2.000	.000
10.000	-2.000	.000
-10.000	-2.000	.000
-23.000	-2.000	.000

REFERENCE INFORMATION		
SREF	5500.0000	SQ.FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMRP	1339.9100	IN.XC
YMRP	.0000	IN.YC
ZMRP	190.7500	IN.ZC
SCALE	.0400	

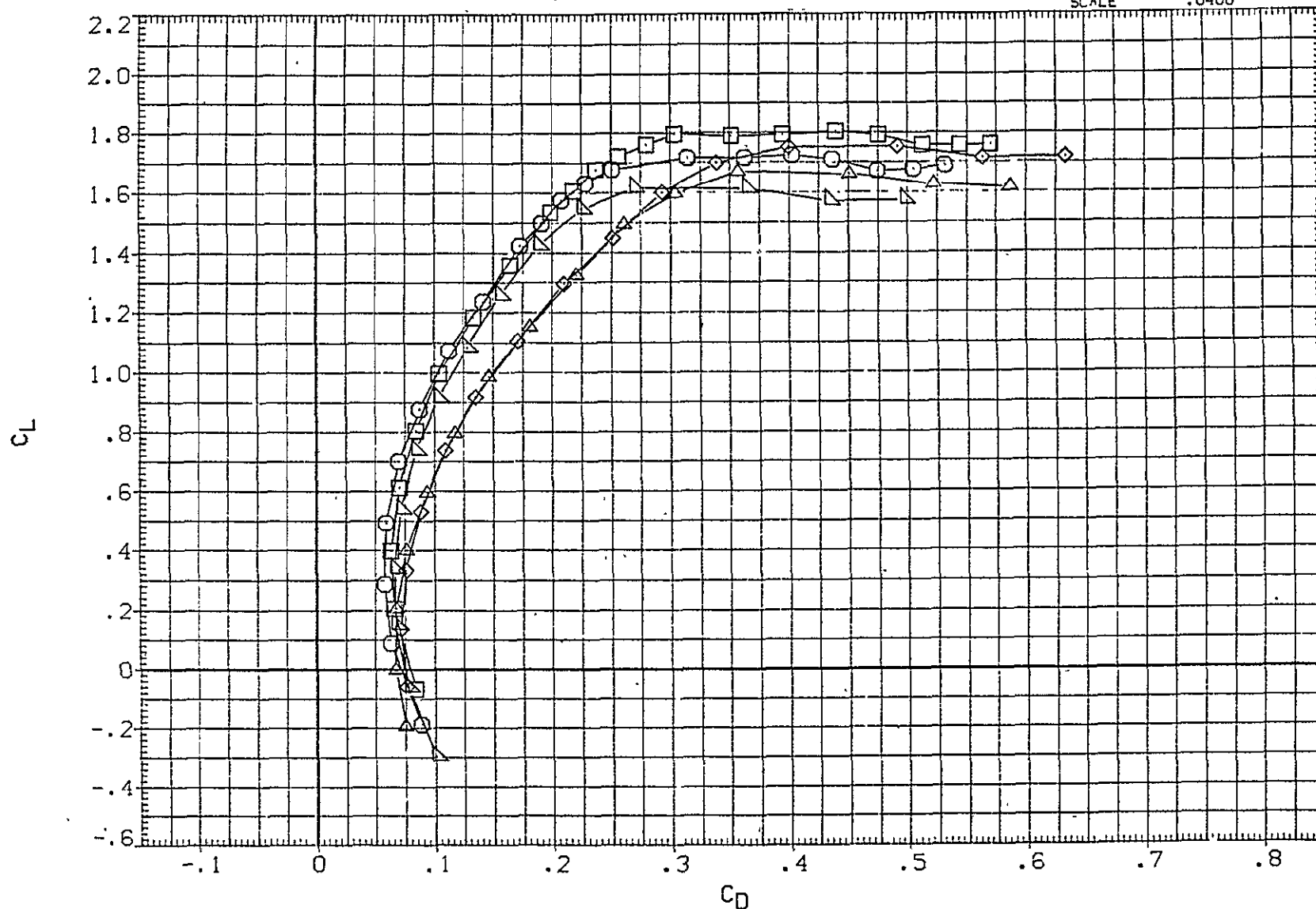


FIG 8 CARRIER ALONE ELEVATOR EFFECTIVENESS, 10 DEG. FLAPS
MAIN BALANCE DATA-ALPHA SWEEPS.

(A)MACH = .15

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DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BETA	REFERENCE INFORMATION		
(RJF016)	○	(CA-8) K1V9.1.2TS2H15.1F20	.000	-4.000	.000	SREF	5500.0000	SQ.FT.
(RJF019)	□	(CA-8) K1V9.1.2TS2H15.1F20	17.000	-4.000	.000	LREF	327.8000	IN.
(RJF020)	◇	(CA-8) K1V9.1.2TS2H15.1F20	10.000	-4.000	.000	BREF	2348.0000	IN.
(RJF021)	△	(CA-8) K1V9.1.2TS2H15.1F20	-10.000	-4.000	.000	XMPP	1339.9100	IN.XC
(RJF022)	▽	(CA-8) K1V9.1.2TS2H15.1F20	-23.000	-4.000	.000	YMRP	.0000	IN.YC
						ZMRP	190.7500	IN.ZC
						SCALE	.0400	

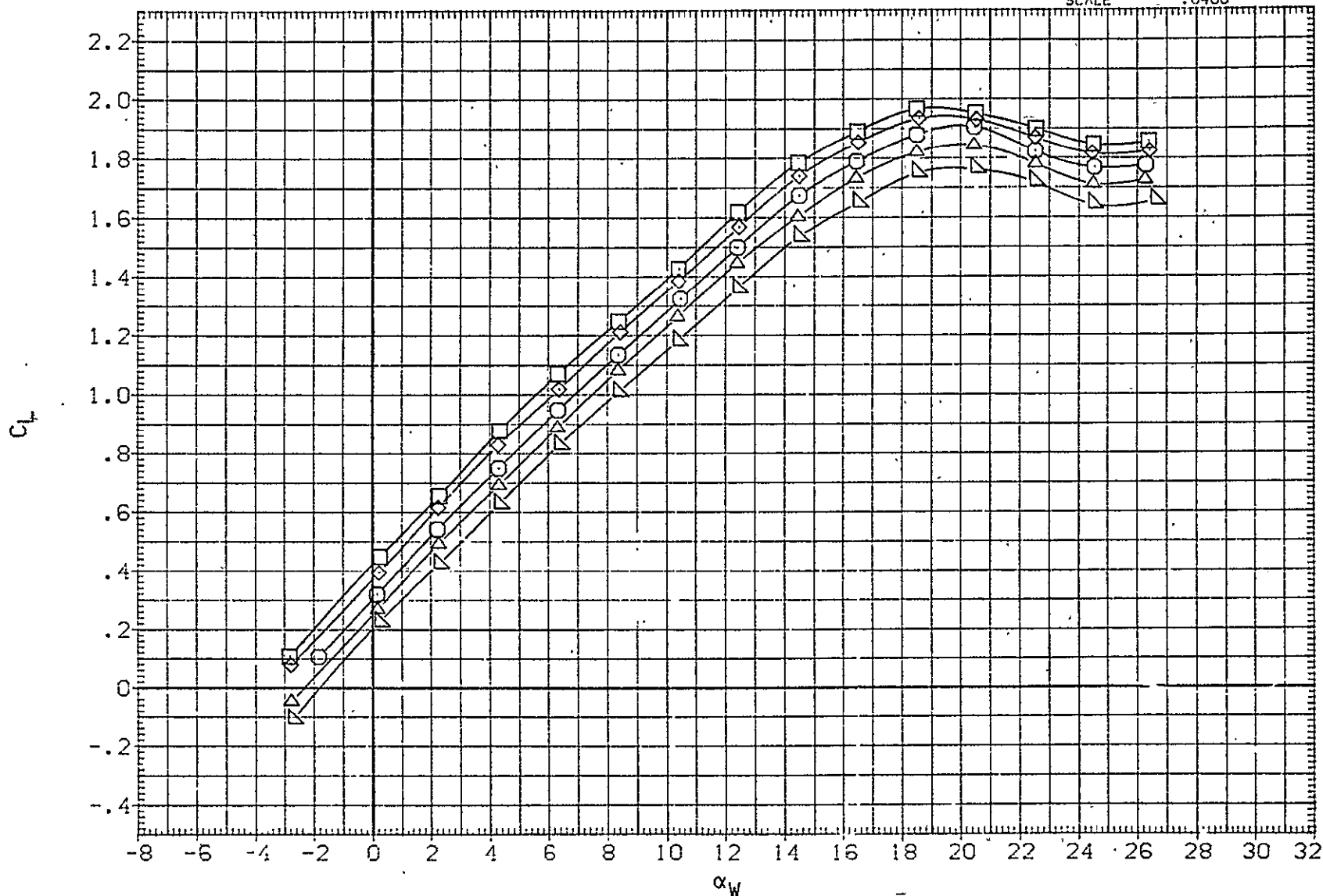


FIG 9 CARRIER ALONE ELEVATOR EFFECTIVENESS, 20 DEG. FLAPS
MAIN BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RJF016)	○	(CA-8) K1V9.1.2TS2H15.1F20
(RJF019)	◇	(CA-8) K1V9.1.2TS2H15.1F20
(RJF020)	□	(CA-8) K1V9.1.2TS2H15.1F20
(RJF021)	△	(CA-8) K1V9.1.2TS2H15.1F20
(RJF022)	▽	(CA-8) K1V9.1.2TS2H15.1F20

ELEVTR	STAB	BETA
.000	-4.000	.000
17.000	-4.000	.000
10.000	-4.000	.000
-10.000	-4.000	.000
-23.000	-4.000	.000

REFERENCE INFORMATION		
SREF	5500.0000	SQ.FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMRP	1339.9100	IN.XC
YMRP	.0000	IN.YC
ZMRP	190.7500	IN.ZC
SCALE	.0400	

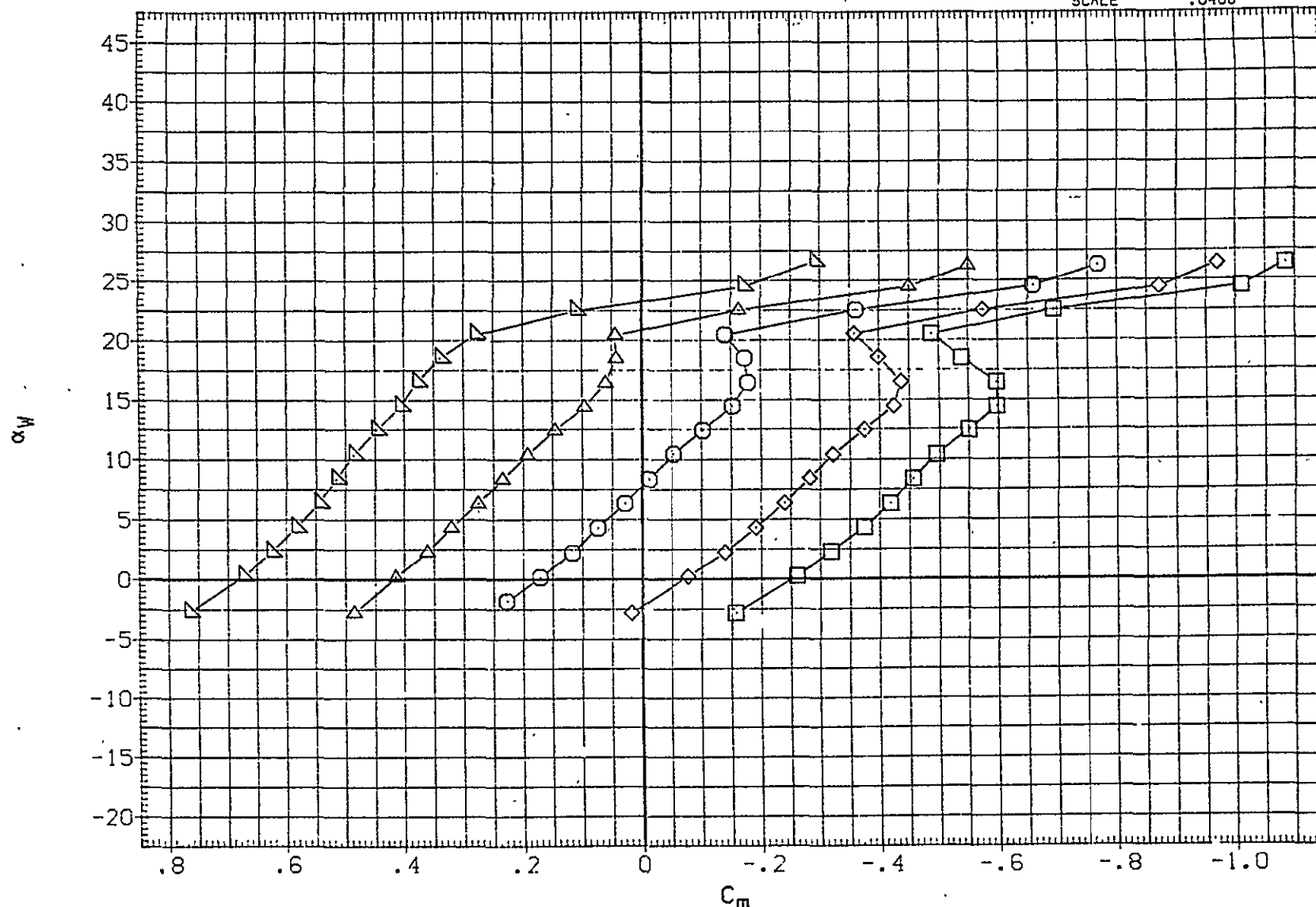


FIG 9 CARRIER ALONE ELEVATOR EFFECTIVENESS, 20 DEG. FLAPS
MAIN BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RJF016)	○	(CA-8) K1V9.1.2TS2H15.1F20
(RJF019)	◇	(CA-8) K1V3.1.2TS2H15.1F20
(RJF020)	△	(CA-8) K1V9.1.2TS2H15.1F20
(RJF021)	▽	(CA-8) K1V9.1.2TS2H15.1F20
(RJF022)	□	(CA-8) K1V9.1.2TS2H15.1F20

ELEVTR	STAB	BETA
.000	-4.000	.000
17.000	-4.000	.000
10.000	-4.000	.000
-10.000	-4.000	.000
-23.000	-4.000	.000

REFERENCE INFORMATION		
SREF	5500.0000	50. FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMRP	1339.9100	IN. XC
YMRP	.0000	IN. YC
ZMRP	190.7500	IN. ZC
SCALE	.0400	

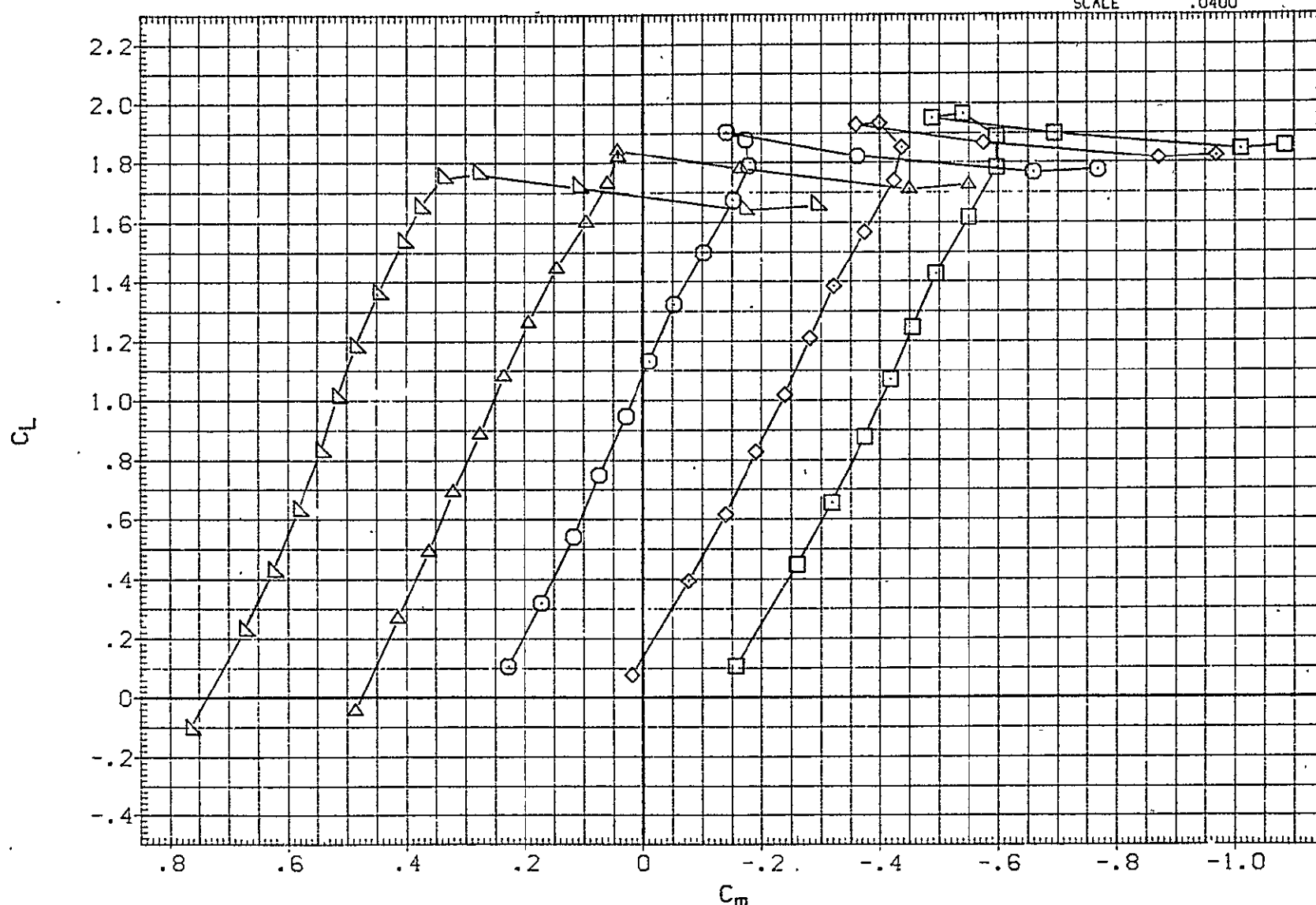


FIG 9 CARRIER ALONE ELEVATOR EFFECTIVENESS, 20 DEG. FLAPS
MAIN BALANCE DATA-ALPHA SWEEPS

(A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BETA	REFERENCE INFORMATION		
(RJF016)	□	(CA-8) K1V9.1.2TS2H15.1F20	.000	-4.000	.000	SREF	5500.0000	SQ.FT.
(PJF019)	○	(CA-8) K1V9.1.2TS2H15.1F20	17.000	-4.000	.000	LREF	327.8000	IN.
(RJF020)	◇	(CA-8) K1V9.1.2TS2H15.1F20	10.000	-4.000	.000	BREF	2348.0000	IN.
(RJF021)	△	(CA-8) K1V9.1.2TS2H15.1F20	-10.000	-4.000	.000	XMRP	1339.9100	IN.XC
(RJF022)	▽	(CA-8) K1V9.1.2TS2H15.1F20	-23.000	-4.000	.000	YMRP	.0000	IN.YC
						ZMRP	190.7500	IN.ZC
						SCALE	.0400	

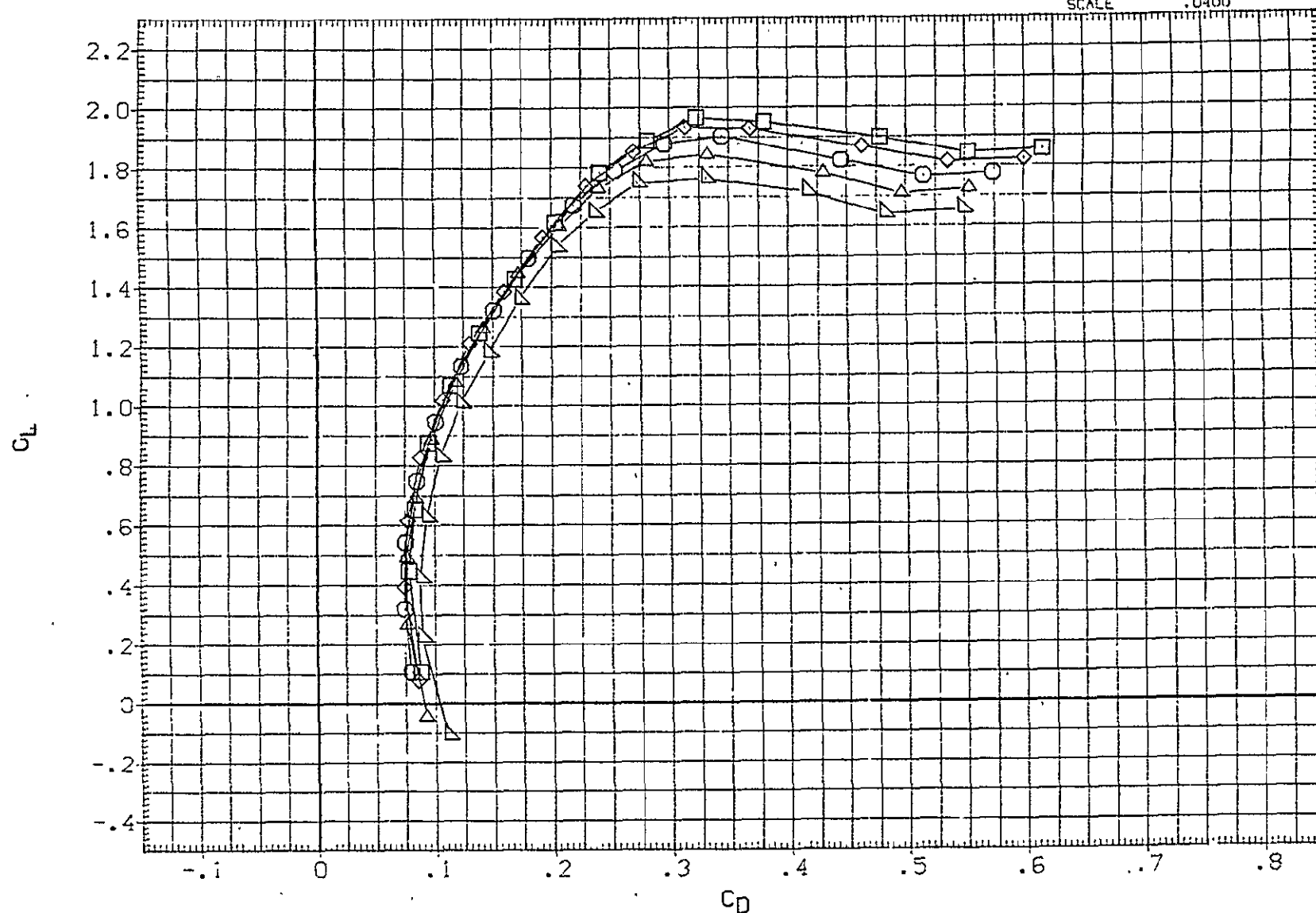


FIG 9 CARRIER ALONE ELEVATOR EFFECTIVENESS, 20 DEG. FLAPS
MAIN BALANCE DATA-ALPHA SWEEPS

(A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BETA	REFERENCE INFORMATION		
(RJF023)	○	(CA-8) K1V9.1.2TS2H15.1F30G5.3.5	-23.000	-4.000	.000	SREF	5500.0000	50. FT.
(RJF025)	□	(CA-8) K1V9.1.2TS2H15.1F30G5.3.5	-10.000	-4.000	.000	LREF	327.8000	IN.
(RJF026)	◇	(CA-8) K1V9.1.2TS2H15.1F30G5.3.5	10.000	-4.000	.000	BREF	2348.0000	IN.
(RJF027)	△	(CA-8) K1V9.1.2TS2H15.1F30G5.3.5	17.000	-4.300	.000	XMRP	1339.9100	IN. XC
(RJF029)	▽	(CA-8) K1V9.1.2TS2H15.1F30G5.3.5	.000	-4.000	.000	YMPP	.0000	IN. YC
						ZMRP	190.7500	IN. ZC
						SCALE	.0400	

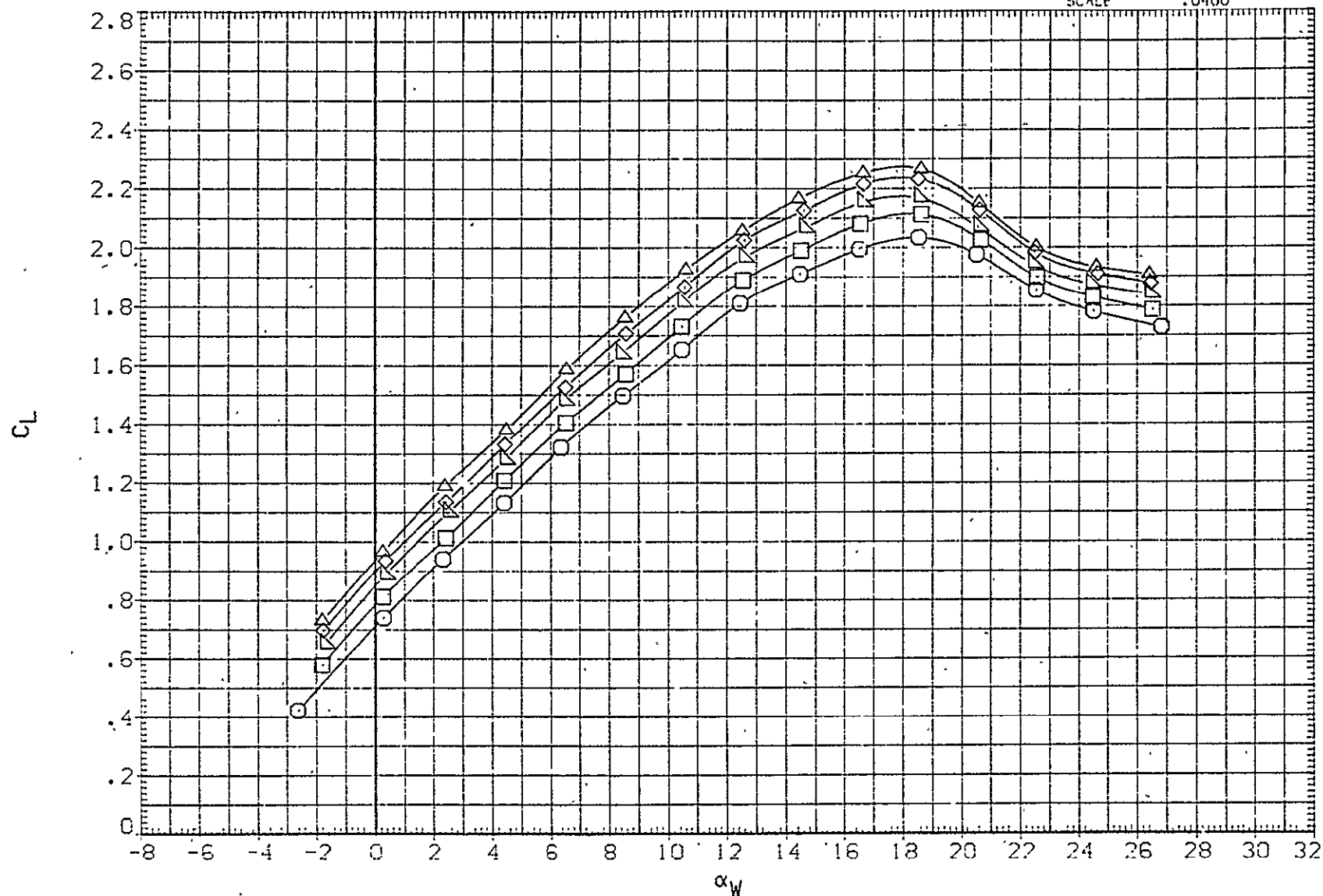


FIG 10 CARRIER ALONE ELEVATOR EFFECTIVENESS, 30 DEG. FLAPS
MAIN BALANCE DATA-ALPHA SWEEPS

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BETA	REFERENCE INFORMATION		
(RJF023)	○	(CA-8) K1V9.1.2TS2H15.1F30G5.3.5	-23.000	-4.000	.000	SREF	5500.0000	SG.FT.
(PJF025)	□	(CA-8) K1V9.1.2TS2H15.1F30G5.3.5	-10.000	-4.000	.000	LREF	327.8000	IN.
(PJF026)	◇	(CA-8) K1V9.1.2TS2H15.1F30G5.3.5	10.000	-4.000	.000	BREF	2348.0000	IN.
(PJF027)	△	(CA-8) K1V9.1.2TS2H15.1F30G5.3.5	17.000	-4.000	.000	XMRP	1339.9100	IN.XC
(RJF029)	▽	(CA-8) K1V9.1.2TS2H15.1F30G5.3.5	.000	-4.000	.000	YMRP	.0000	IN.YC
						ZMRP	190.7500	IN.ZC
						SCALE	.0400	

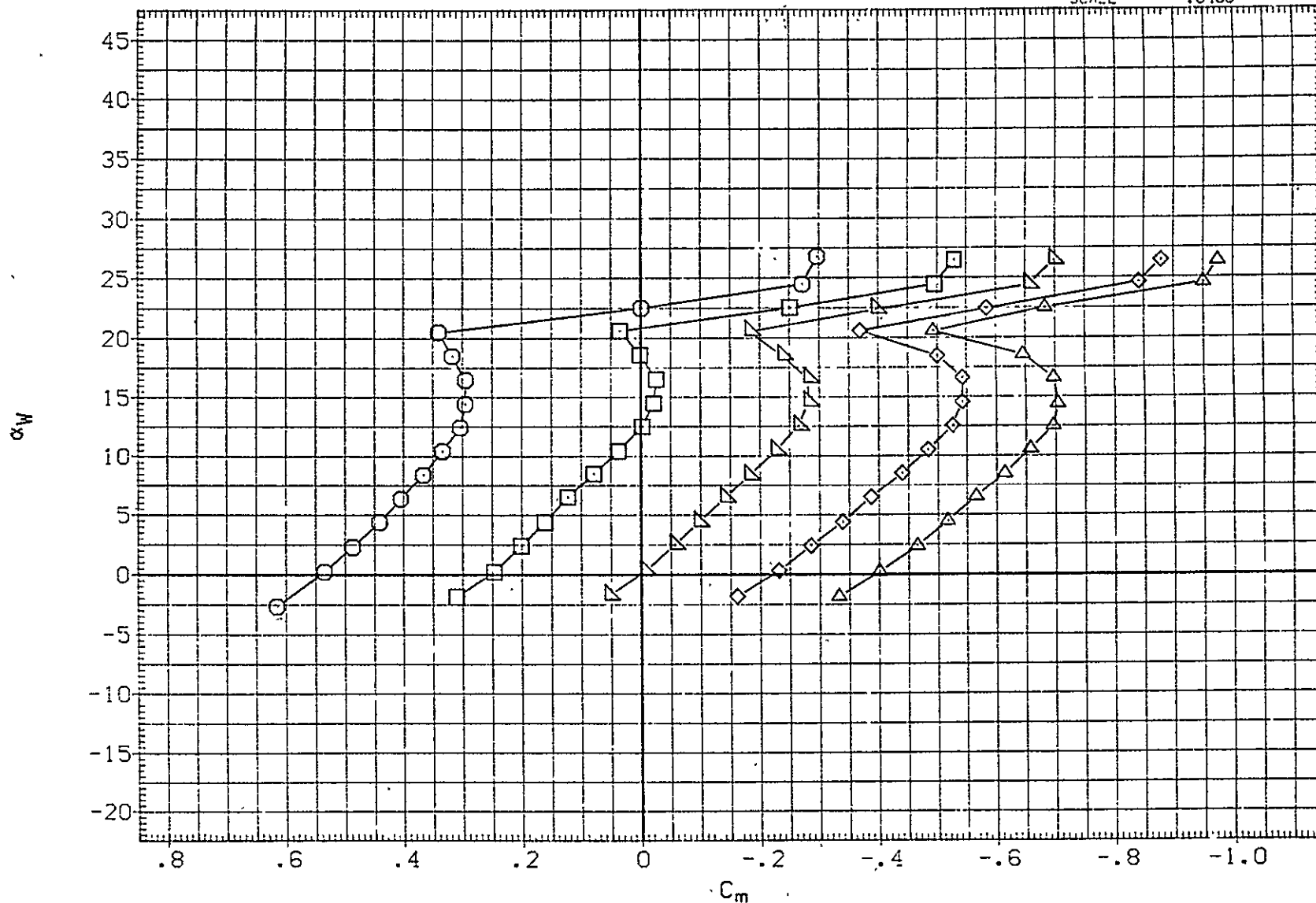


FIG 10 CARRIER ALONE ELEVATOR EFFECTIVENESS, 30 DEG. FLAPS
MAIN BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BETA	REFERENCE INFORMATION		
(RJF023)	○	(CA-8) K1V9.1.2TS2H15.1F30G5.3.5	-23.000	-4.000	.000	SREF	5500.0000	50.FT.
(RJF025)	□	(CA-8) K1V9.1.2TS2H15.1F30G5.3.5	-10.000	-4.000	.000	LREF	327.8000	IN.
(RJF026)	◇	(CA-8) K1V9.1.2TS2H15.1F30G5.3.5	10.000	-4.000	.000	BREF	2348.0000	IN.
(RJF027)	△	(CA-8) K1V9.1.2TS2H15.1F30G5.3.5	17.000	-4.000	.000	XM RP	1339.9100	IN.XC
(RJF029)	▽	(CA-8) K1V9.1.2TS2H15.1F30G5.3.5	.000	-4.000	.000	YM RP	.0000	IN.YC
						ZM RP	190.7500	IN.ZC
						SCALE	.0400	

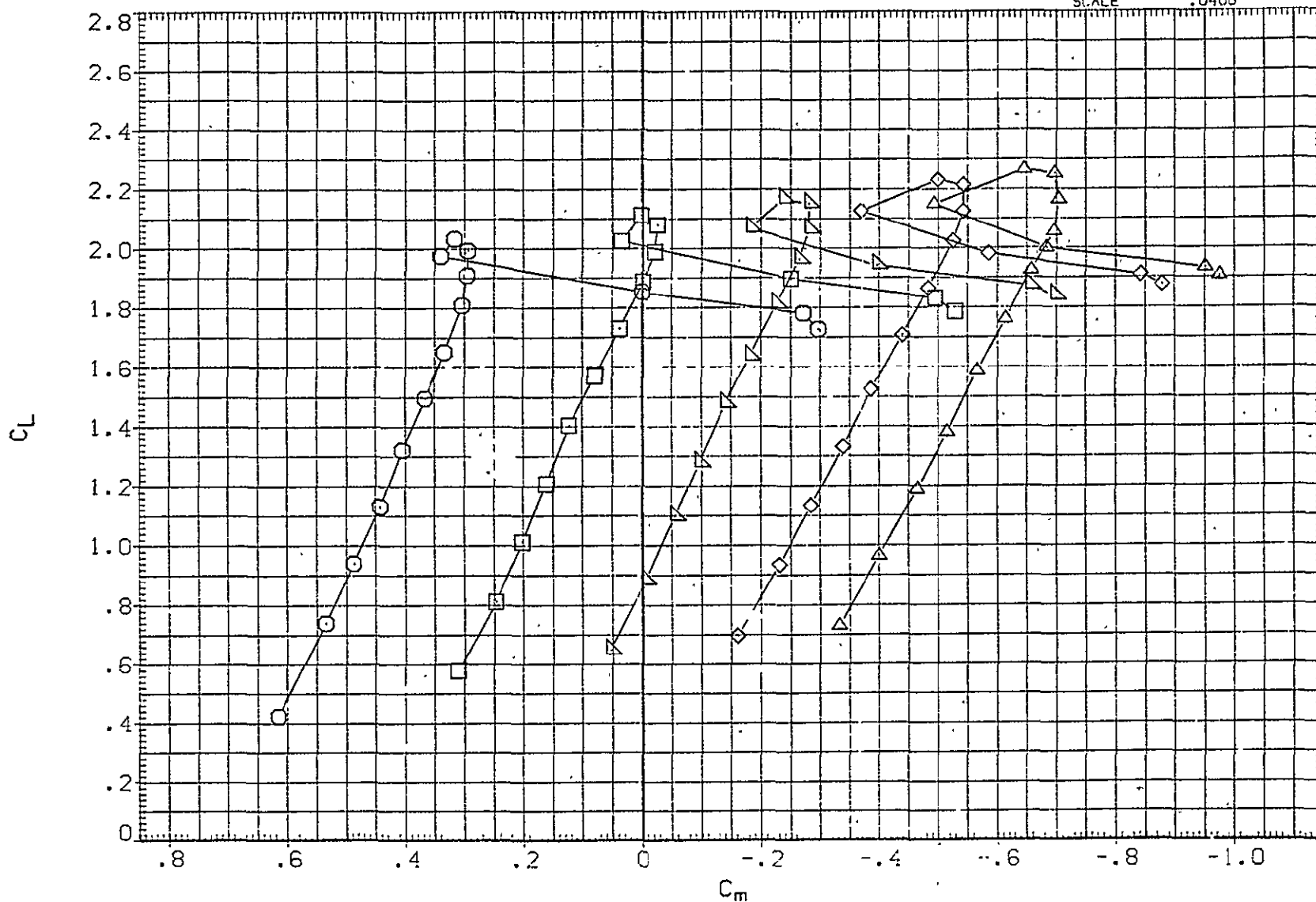


FIG 10 CARRIER ALONE ELEVATOR EFFECTIVENESS, 30 DEG. FLAPS
MAIN BALANCE DATA-ALPHA SWEEPS

(A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BETA	REFERENCE INFORMATION		
(RJF023)	○	(CA-8) K1V9.1.2TS2H15.1F30G5.3.5	-23.000	-4.000	.000	SREF	5500.0000	SQ.FT.
(RJF025)	□	(CA-8) K1V9.1.2TS2H15.1F30G5.3.5	-10.000	-4.000	.000	LREF	327.8000	IN.
(RJF026)	◇	(CA-8) K1V9.1.2TS2H15.1F30G5.3.5	10.000	-4.000	.000	BREF	2348.0000	IN.
(RJF027)	△	(CA-8) K1V9.1.2TS2H15.1F30G5.3.5	17.000	-4.000	.000	XMRP	1339.9100	IN.XC
(PJF029)	▽	(CA-8) K1V9.1.2TS2H15.1F30G5.3.5	.000	-4.000	.000	YMRP	.0000	IN.YC
						ZMRP	190.7500	IN.ZC
						SCALE	.0400	

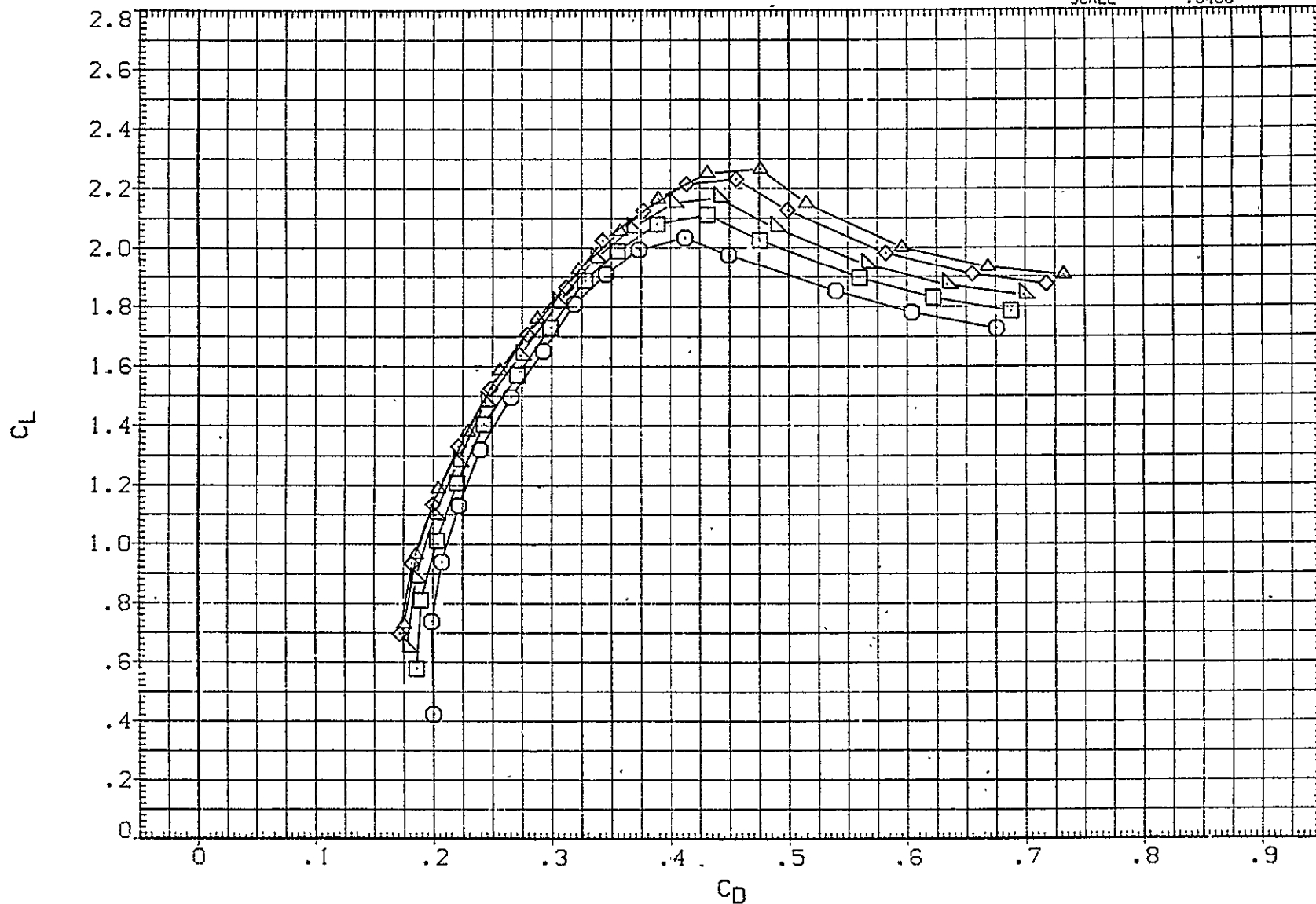


FIG 10 CARRIER ALONE ELEVATOR EFFECTIVENESS, 30 DEG. FLAPS
MAIN BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

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ORIGINAL PAGE IS POOR

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RJF004)	○	(CA-8) K1V9.1.2TS2H15.1F10
(RJF012)	□	(CA-8) K1V9.1.2TS2H15.1F10G5.3.5

ELEVTR	STAB	BETA
.000	-2.000	.000
.000	-2.000	.000

REFERENCE INFORMATION		
SREF	5500.0000	SQ.FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMPP	1339.9100	IN.XC
YMRP	.0000	IN.YC
ZMRP	190.7500	IN.ZC
SCALE	.0400	

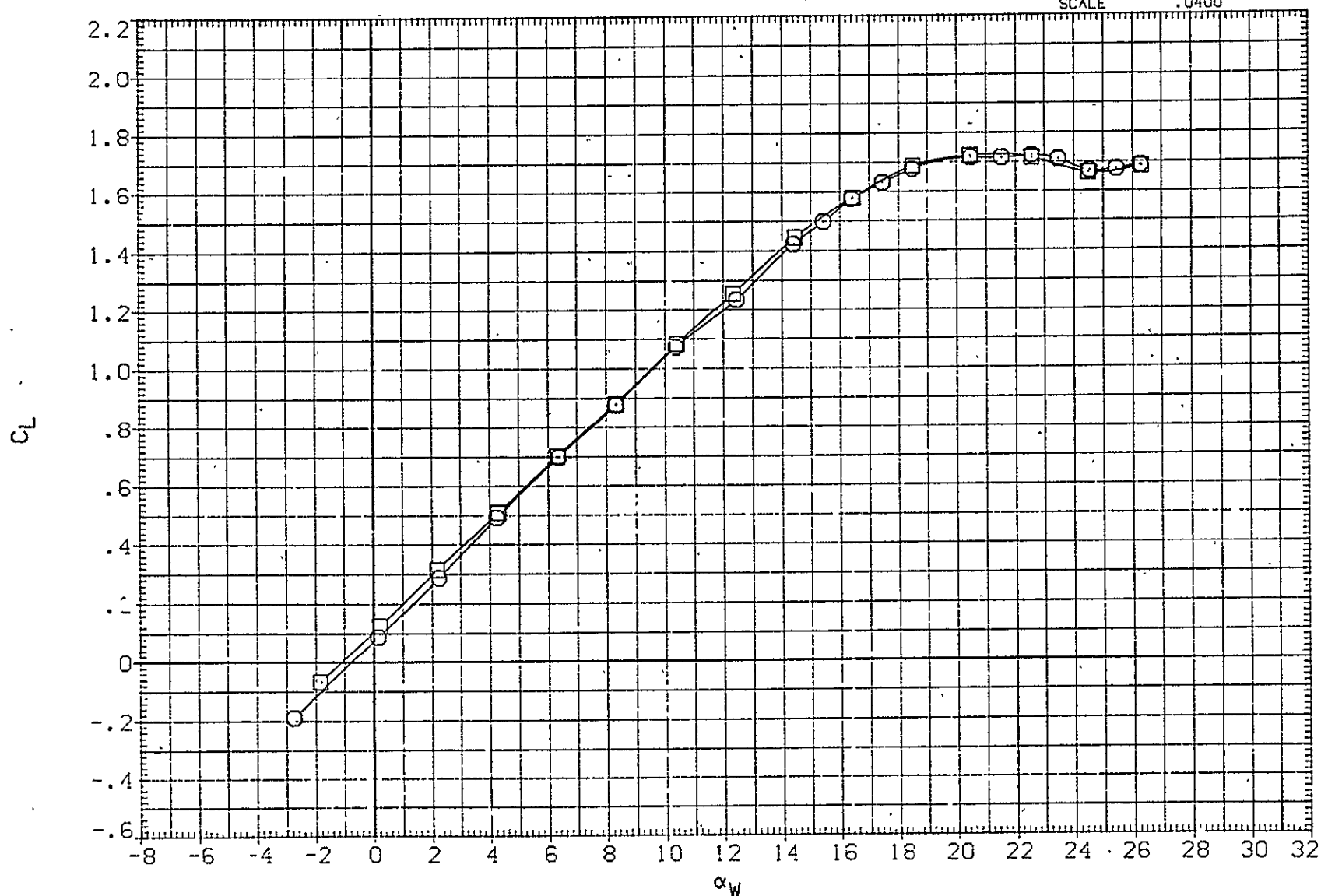


FIG 11 CARRIER ALONE EFFECT OF LANDING GEAR, 10 DEG. FLAPS
MAIN BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RJFO04)	○	(CA-8) K1V9.1.2TS2H15.1F10
(RJFO12)	□	(CA-8) K1V9.1.2TS2H15.1F10G5.3.5

ELEVTR	STAB	BETA
.000	-2.000	.000
.000	-2.000	.000

REFERENCE INFORMATION		
SREF	5500.0000	SQ.FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMRP	1339.9100	IN.XC
YMRP	.0000	IN.YC
ZMRP	190.7500	IN.ZC
SCALE	.0400	

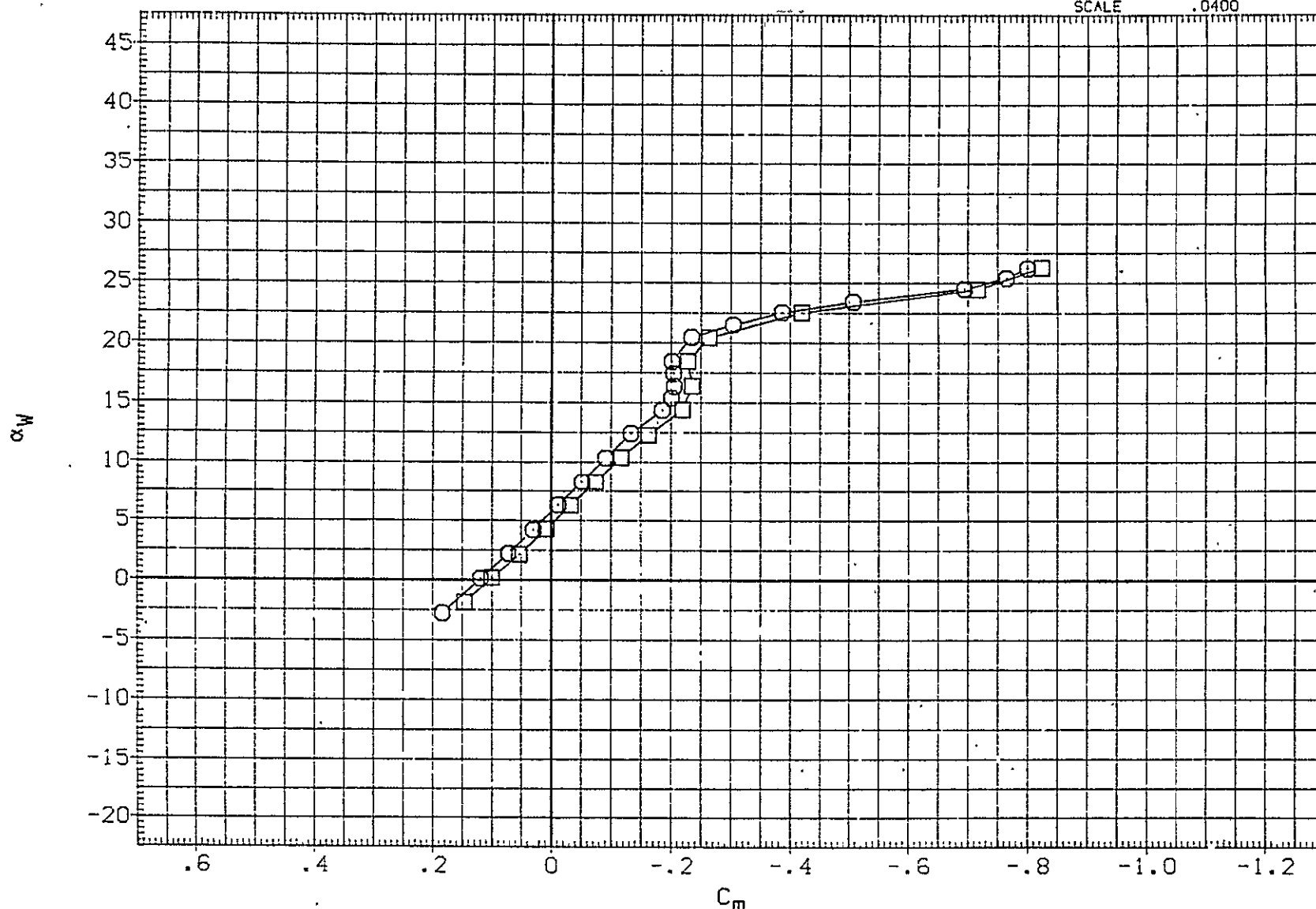


FIG 11 CARRIER ALONE EFFECT OF LANDING GEAR, 10 DEG. FLAPS
MAIN BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RJF004)	○	(CA-8) K1V9.1.2TS2H15.1F10
(RJF012)	□	(CA-8) K1V9.1.2TS2H15.1F10G5.3.5

ELEVTR	STAB	BETA
.000	-2.000	.000
.000	-2.000	.000

REFERENCE INFORMATION		
SREF	5500.0000	50. FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMPP	1339.9100	IN. XC
YMRP	.0000	IN. YC
ZMRP	190.7500	IN. ZC
SCALE	.0400	

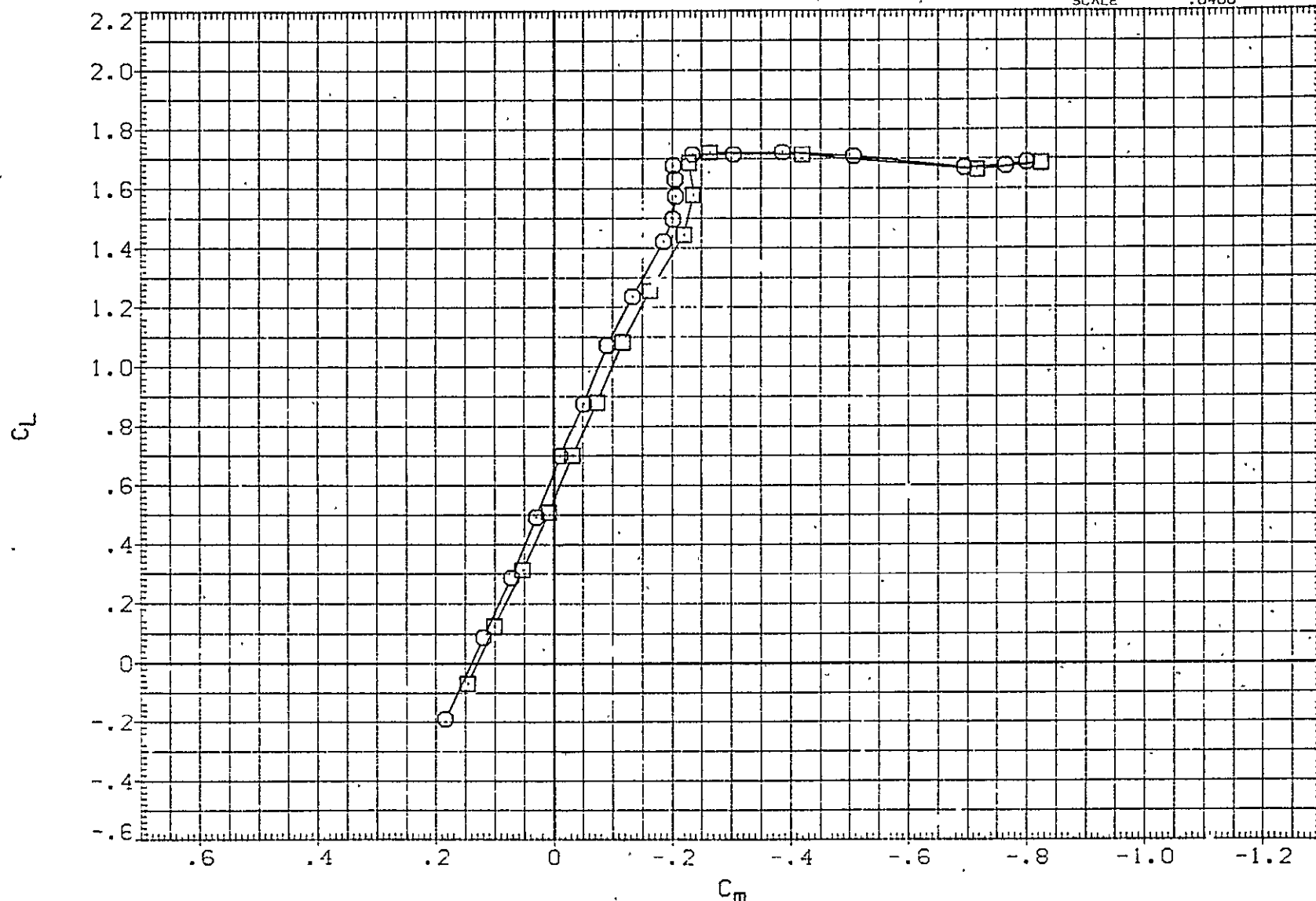


FIG 11 CARRIER ALONE EFFECT OF LANDING GEAR, 10 DEG. FLAPS
MAIN BALANCE DATA-ALPHA SWEEPS

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RJF004)	○	(CA-8) K1V9.1.2TS2H15.1F10
(RJF012)	□	(CA-8) K1V9.1.2TS2H15.1F10G5.3.5

ELEVTR	STAB	BETA
.000	-2.000	.000
.000	-2.000	.000

REFERENCE INFORMATION		
SREF	5500.0000	50. FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMPP	1339.9100	IN. XC
YMRP	.0000	IN. YC
ZMRP	190.7500	IN. ZC
SCALE	.0400	

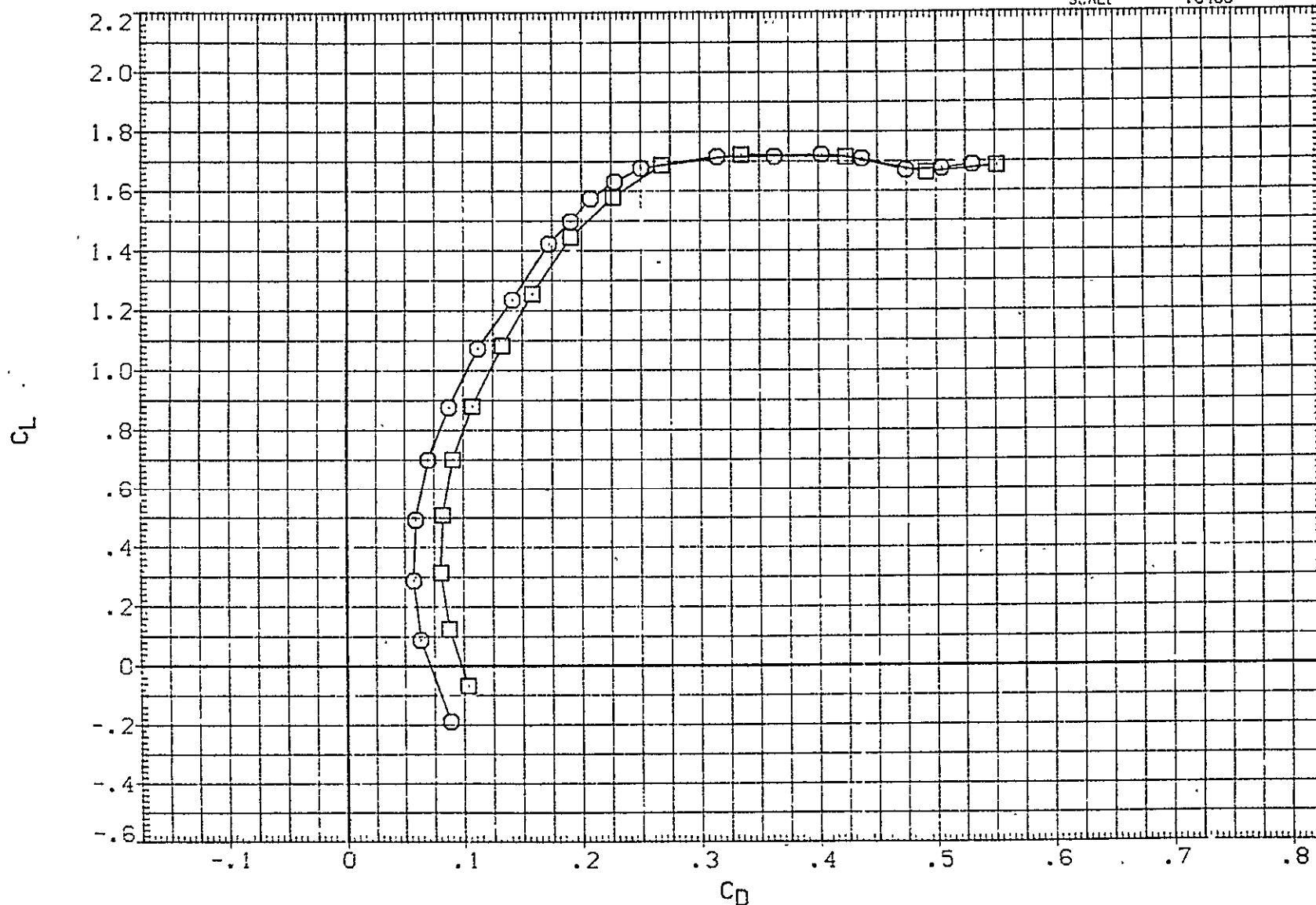


FIG 11 CARRIER ALONE EFFECT OF LANDING GEAR, 10 DEG. FLAPS
MAIN BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RJF017)	○	(CA-8) K1V9.1.2TS2H15.1F20
(RJF018)	□	(CA-8) K1V9.1.2TS2H15.1F20G5.3.5

ELEVTR	STAB	BETA
.000	-2.000	.000
.000	-2.000	.000

REFERENCE INFORMATION		
SREF	5500.0000	50. FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMRP	1339.9100	IN. XC
YMPP	.0000	IN. YC
ZMRP	190.7500	IN. ZC
SCALE	.0400	



FIG 12 CARRIER ALONE EFFECT OF LANDING GEAR, 20 DEG. FLAPS
MAIN BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RJF017)	○	(CA-8) K1V9.1.2TS2H15.1F20
(RJF018)	□	(CA-8) K1V9.1.2TS2H15.1F20G5.3.5

ELEVTR	STAB	BETA
.000	-2.000	.000
.000	-2.000	.000

REFERENCE INFORMATION		
SREF	5500.0000	SG.FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMRP	1339.9100	IN.XC
YMRP	.0000	IN.YC
ZMRP	190.7500	IN.ZC
SCALE	.0400	

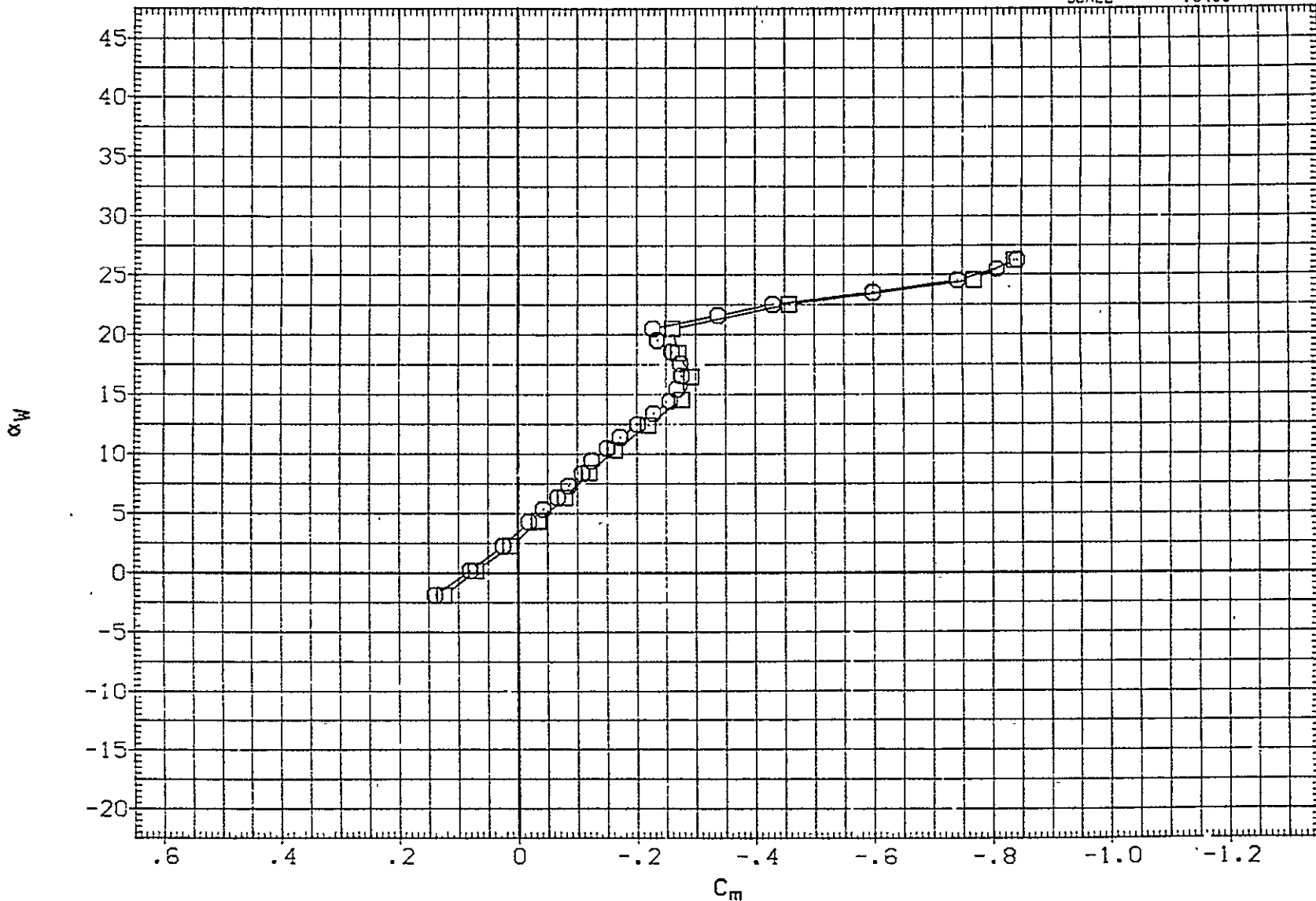


FIG 12 CARRIER ALONE EFFECT OF LANDING GEAR, 20 DEG. FLAPS
MAIN BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RJF017)	○	(CA-8) K1V9.1.2TS2H15.1F20
(RJF018)	□	(CA-8) K1V9.1.2TS2H15.1F20G5.3.5

ELEVTR	STAB	BETA
.000	-2.000	.000
.000	-2.000	.000

REFERENCE INFORMATION		
SREF	5500.0000	SQ. FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMRP	1339.9100	IN. XC
YMRP	.0000	IN. YC
ZMRP	190.7500	IN. ZC
SCALE	.0400	

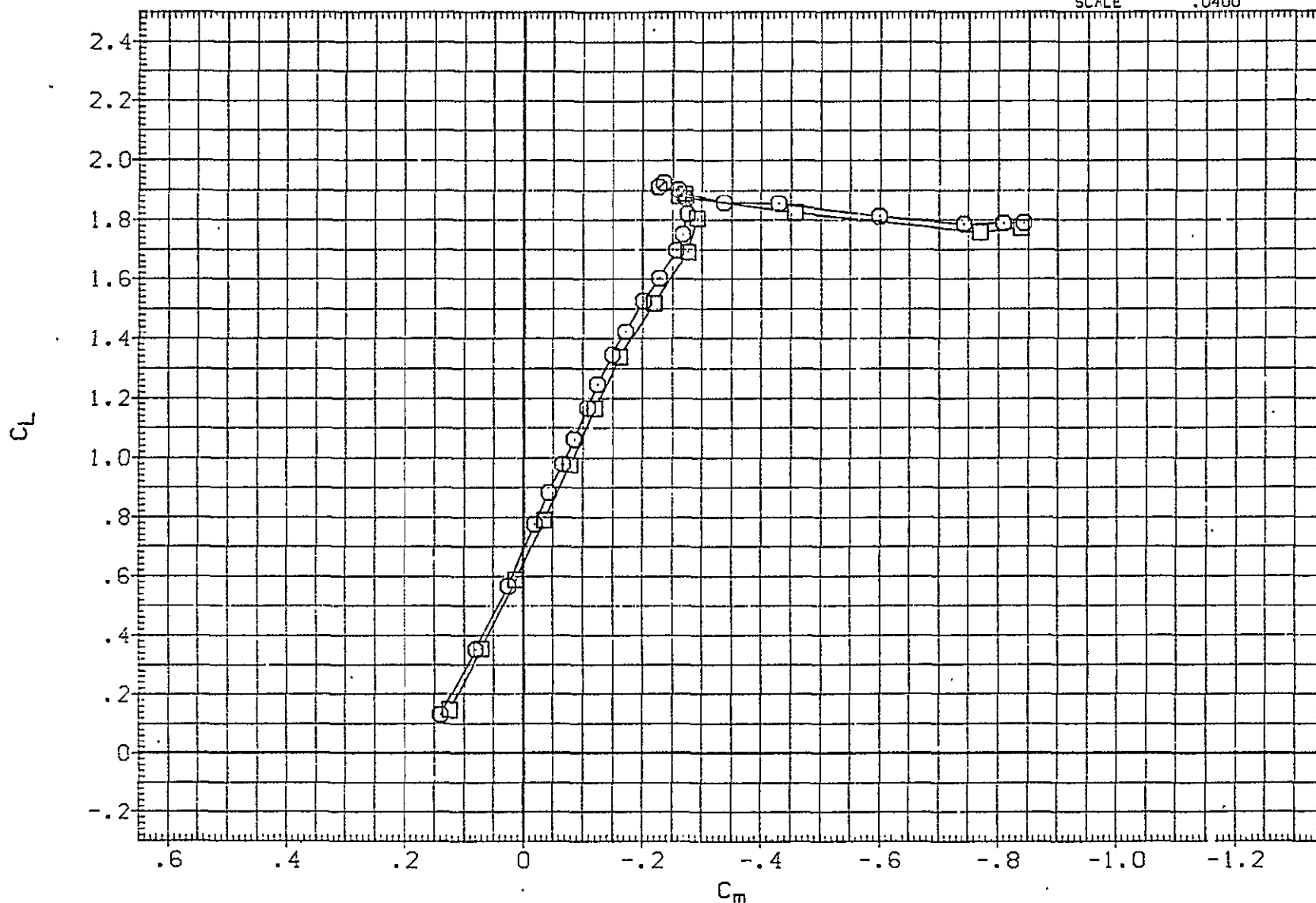


FIG 12 CARRIER ALONE EFFECT OF LANDING GEAR, 20 DEG. FLAPS
MAIN BALANCE DATA-ALPHA SWEEPS

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RJF017)	○	(CA-8) K1V9.1.2TS2H15.1F20
(RJF018)	□	(CA-8) K1V9.1.2TS2H15.1F20G5.3.5

ELEVTR	STAB	BETA
.000	-2.000	.000
.000	-2.000	.000

REFERENCE INFORMATION		
SREF	5500.0000	SG.FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMRP	1339.9100	IN.XC
YMRP	.0000	IN.YC
ZMRP	190.7500	IN.ZC
SCALE	.6400	

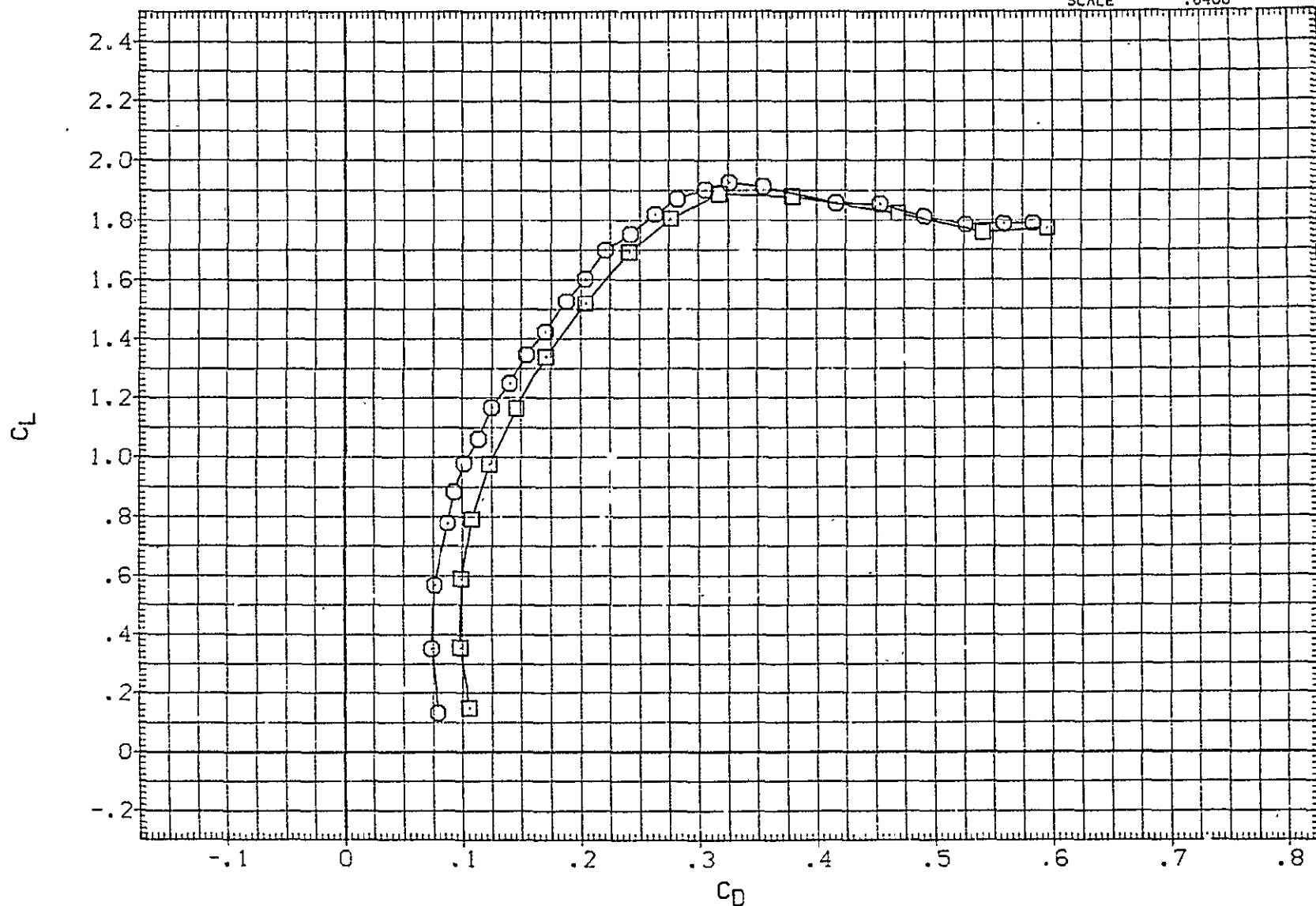


FIG 12 CARRIER ALONE EFFECT OF LANDING GEAR, 20 DEG. FLAPS
MAIN BALANCE DATA-ALPHA SWEEPS

(A) MACH = .15

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DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BETA	REFERENCE INFORMATION		
(RJF122)	○	(CA-8) K2V9.1.2TS6 FOTS401			.000	SREF	5500.0000	SQ.FT.
(PJF123)	□	(CA-8) K2V9.1.2TS6H15.6.1FOTS401	.000	-4.000	.000	LREF	327.8000	IN.
(RJF124)	◇	(CA-8) K2V9.1.2TS6H15.6.1FOTS401	.000	-2.000	.000	BREF	2348.0000	IN.
(RJF125)	△	(CA-8) K2V9.1.2TS6H15.6.1FOTS401	.000	.000	.000	XMRP	1339.9100	IN. XC
						YMRP	.0000	IN. YC
						ZMRP	190.7500	IN. ZC
						SCALE	.0400	

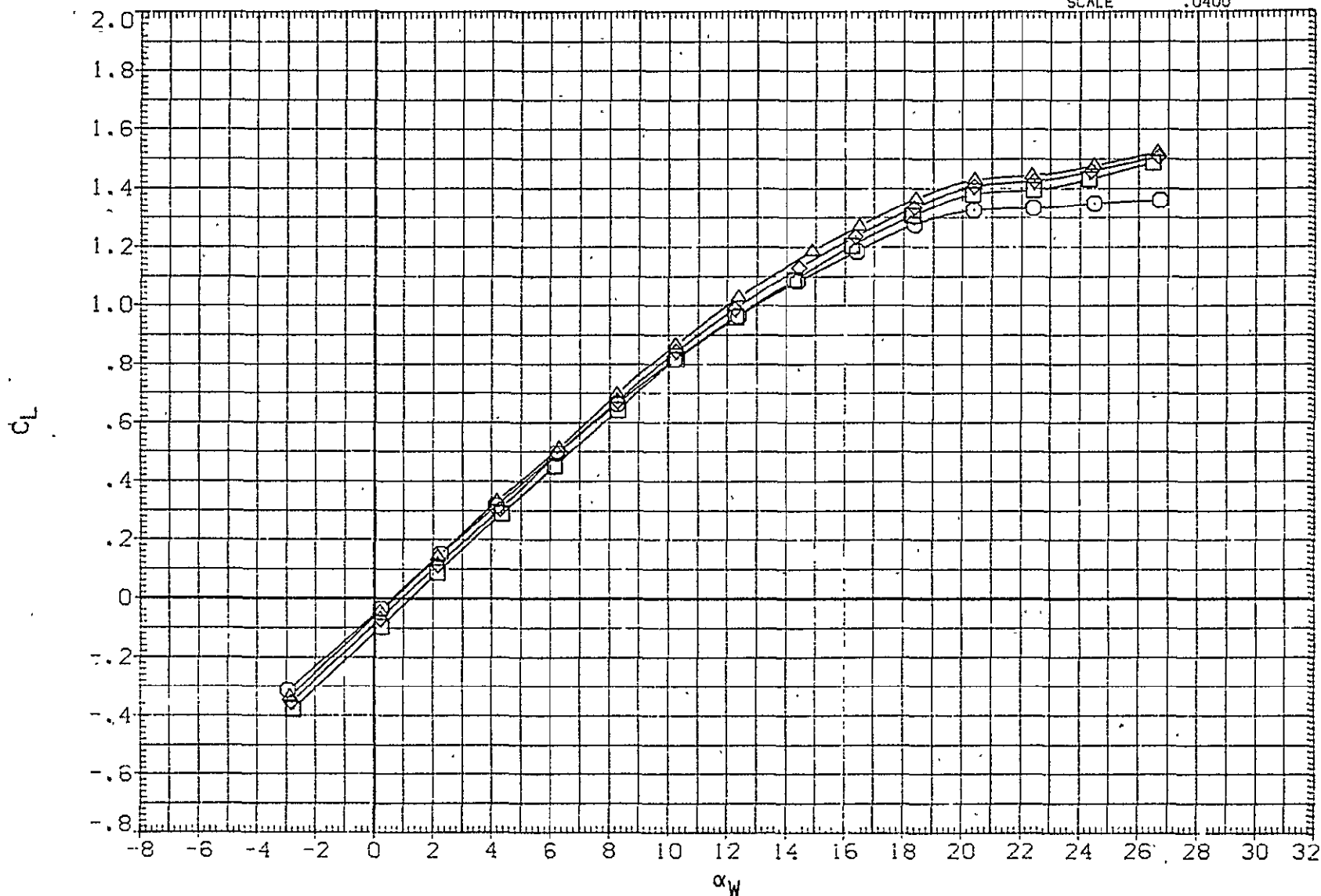


FIG 13 FERRY CONFIG. STABILIZER EFFECTIVENESS, FLAPS UP, IORB=3, TC ON, ELEV=0
MAIN BALANCE DATA-ALPHA SWEEPS

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BETA	REFERENCE INFORMATION		
(RJF122)	○	(CA-8) K2V9.1.2TS6 FOTS401			.000	SREF	5500.0000	50.FT.
(RJF123)	□	(CA-8) K2V9.1.2TS6H15.6.1FOTS401	.000	-4.000	.000	LREF	327.8000	IN.
(RJF124)	◇	(CA-8) K2V9.1.2TS6H15.6.1FOTS401	.000	-2.000	.000	BREF	2348.0000	IN.
(RJF125)	△	(CA-8) K2V9.1.2TS6H15.6.1FOTS401	.000	.000	.000	XMRP	1339.9100	IN.XC
						YMPP	.0000	IN.YC
						ZMPP	190.7500	IN.ZC
						SCALE	.0400	

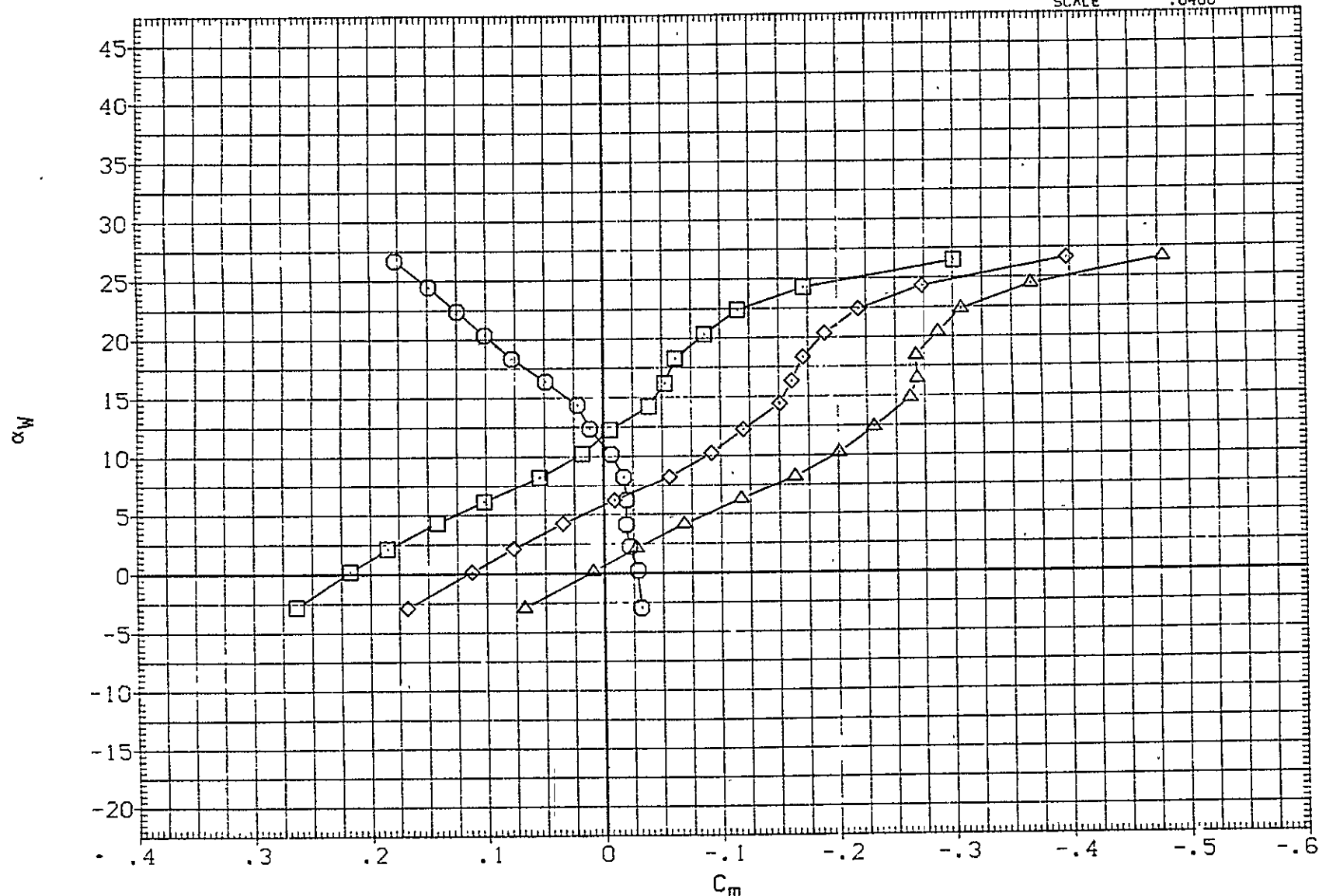


FIG 13 FERRY CONFIG. STABILIZER EFFECTIVENESS, FLAPS UP, IORB=3, TC ON, ELEV=0
MAIN BALANCE DATA-ALPHA SWEEPS

(A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RJF122)	○	(CA-8) K2V9.1.2TS6 FOTS401
(RJF123)	□	(CA-8) K2V9.1.2TS6H15.6.1FOTS401
(RJF124)	◇	(CA-8) K2V9.1.2TS6H15.6.1FOTS401
(RJF125)	△	(CA-8) K2V9.1.2TS6H15.6.1FOTS401

ELEVTR	STAB	BETA
.000	-4.000	.000
.000	-2.000	.000
.000	.000	.000

REFERENCE INFORMATION		
SREF	5500.0000	50.FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMRP	1339.9100	IN.XC
YMPP	.0000	IN.YC
ZMRP	190.7500	IN.ZC
SCALE	.0400	

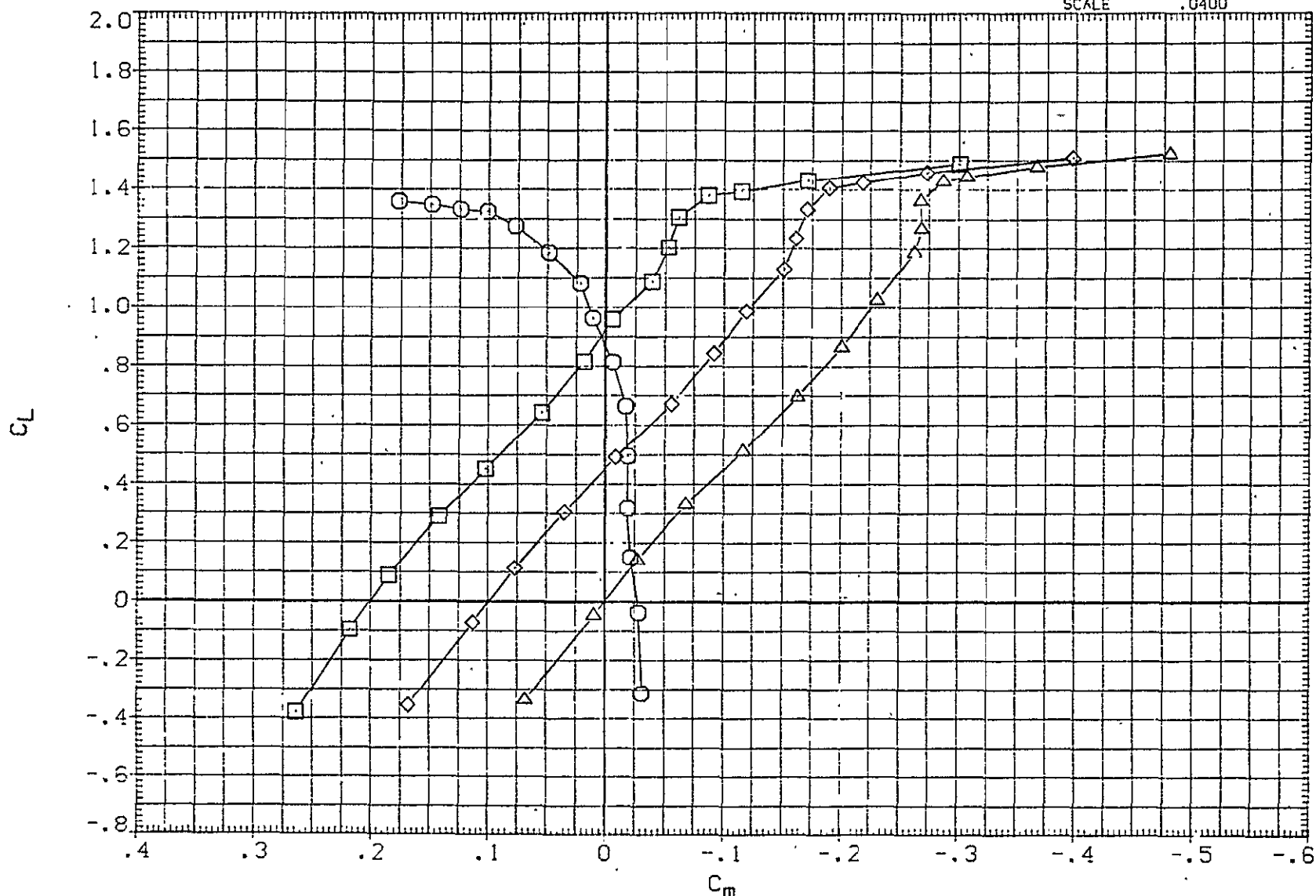


FIG 13 FERRY CONFIG. STABILIZER EFFECTIVENESS. FLAPS UP, IORB=3, TC ON, ELEV=0
MAIN BALANCE DATA-ALPHA SWEEPS

(A) MACH = .15.

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTH	STAB	BETA	REFERENCE INFORMATION		
(RJF122)	○	(CA-8) K2V9.1.2TS6 FOTS401			.000	SREF	5500.0000	SG.FT.
(RJF123)	□	(CA-8) K2V9.1.2TS6H15.6.1FOTS401	.000	-4.000	.000	LREF	327.8000	IN.
(RJF124)	◇	(CA-8) K2V9.1.2TS6H15.6.1FOTS401	.000	-2.000	.000	BREF	2348.0000	IN.
(RJF125)	△	(CA-8) K2V9.1.2TS6H15.6.1FOTS401	.000	.000	.000	XMRP	1339.9100	IN.XC
						YMRP	.0000	IN.YC
						ZMRP	190.7500	IN.ZC
						SCALE	.0400	

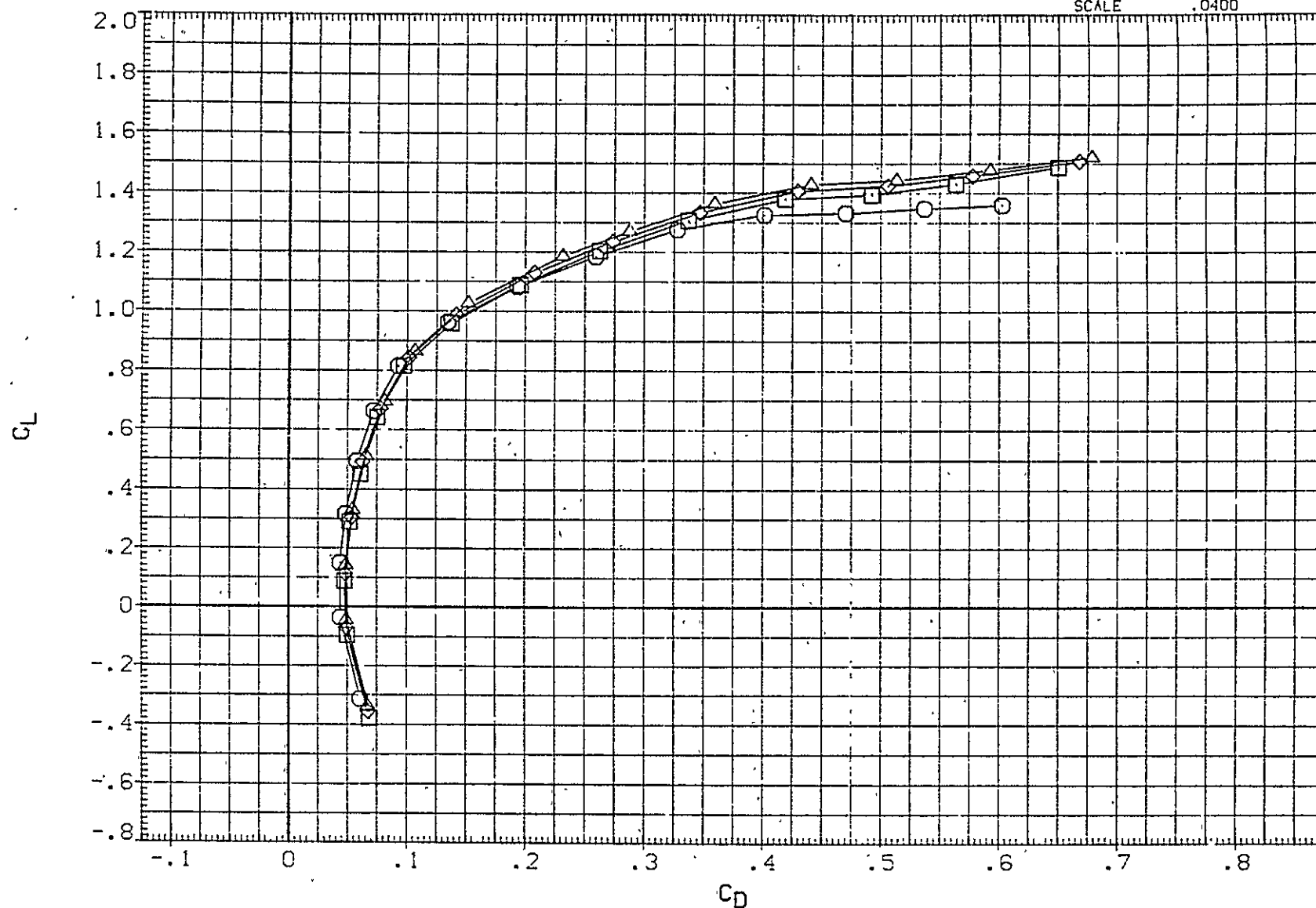


FIG 13 FERRY CONFIG. STABILIZER EFFECTIVENESS, FLAPS UP, IORB=3, TC ON, ELEV=0
MAIN BALANCE DATA-ALPHA SWEEPS

(A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BETA	REFERENCE INFORMATION		
(RJF115)	○	(CA-8) K2V9.1.2TS5F30G5.3.5TS401			.000	SREF	5500.0000	SQ.FT.
(RJF116)	◇	(CA-8) K2V9.1.2TS5H15.6.1F10TS401	.000	3.000	.000	LREF	327.8000	IN.
(RJF117)	□	(CA-8) K2V9.1.2TS5H15.6.1F10TS401	.000	.000	.000	BREF	2348.0000	IN.
(RJF118)	△	(CA-8) K2V9.1.2TS5H15.6.1F10TS401	.000	-4.000	.000	XM RP	1339.9100	IN.XC
(RJF119)	▽	(CA-8) K2V9.1.2TS5H15.6.1F10TS401	.000	-2.000	.000	YM RP	.0000	IN.YC
						ZM RP	190.7500	IN.ZC
						SCALE	.0400	

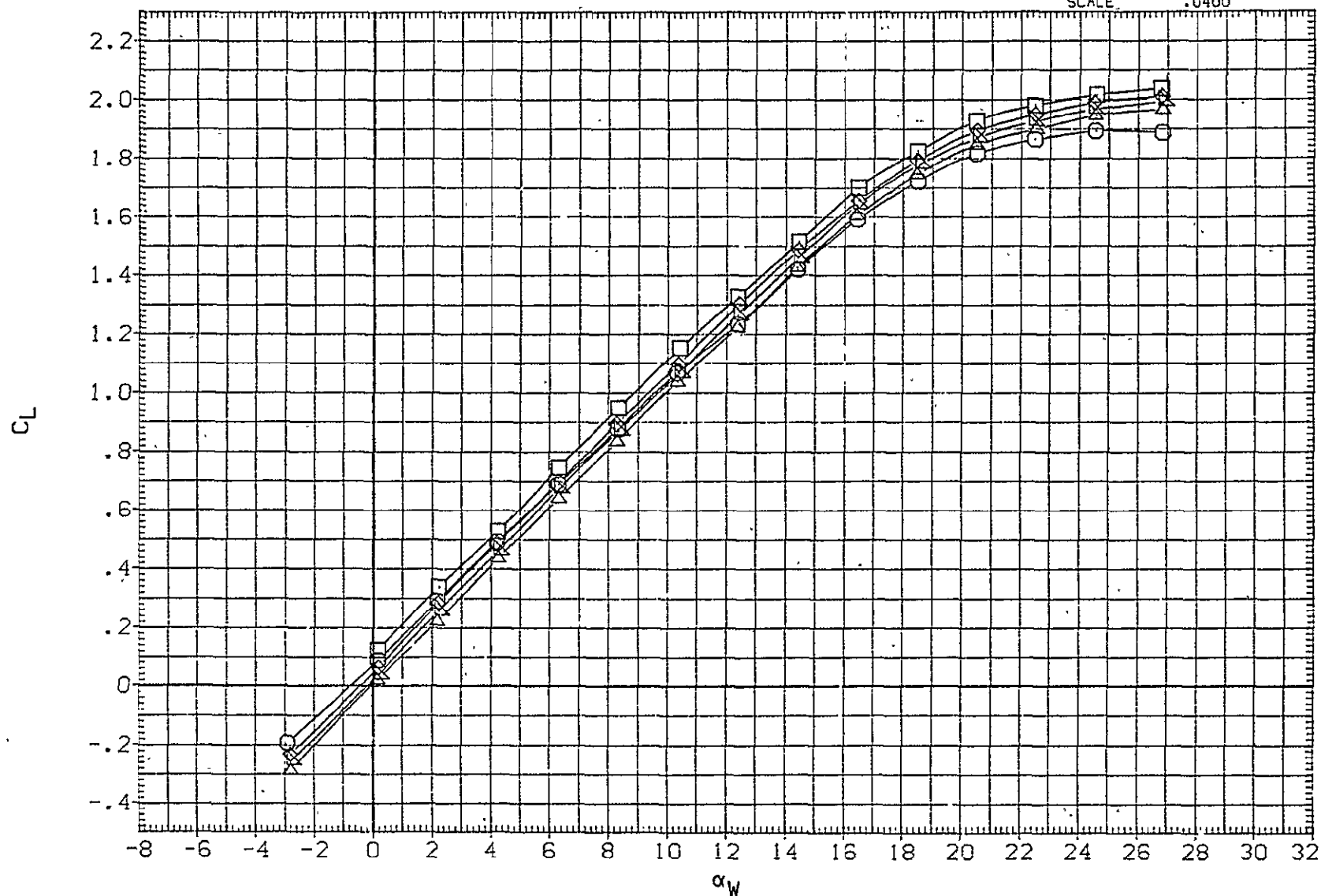


FIG 14 FERRY CONFIG. STABILIZER EFFECTIVENESS, FLAPS 10, IORB=3, TC ON, ELEV=0
MAIN BALANCE DATA-ALPHA SWEEPS

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BETA	REFERENCE INFORMATION		
(RJF115)	○	(CA-8) K2V9.1.2TS5F30G5.3.5TS401			.000	SREF	5500.0000	SQ.FT.
(RJF116)	□	(CA-8) K2V9.1.2TS5H15.6.1F10TS401	.000	3.000	.000	LREF	327.8000	IN.
(RJF117)	◇	(CA-8) K2V9.1.2TS5H15.6.1F10TS401	.000	.000	.000	BREF	2348.0000	IN.
(RJF118)	△	(CA-8) K2V9.1.2TS5H15.6.1F10TS401	.000	-4.000	.000	XMRP	1339.9100	IN.XC
(RJF119)	▽	(CA-8) K2V9.1.2TS5H15.6.1F10TS401	.000	-2.000	.000	YMRP	.0000	IN.YC
						ZMRP	190.7500	IN.ZC
						SCALE	.0400	

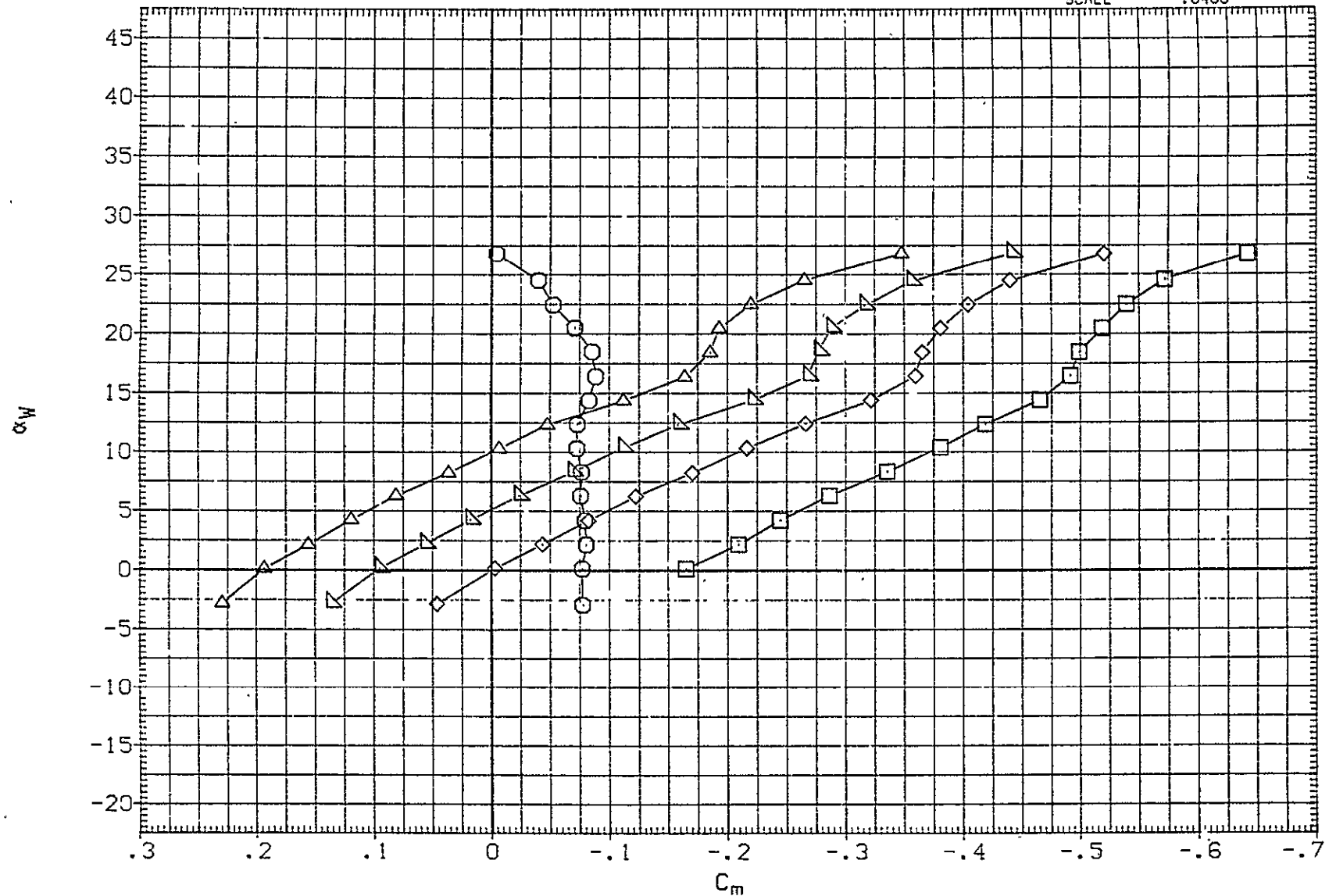


FIG 14 FERRY CONFIG. STABILIZER EFFECTIVENESS, FLAPS 10, IORB=3, TC ON, ELEV=0
MAIN BALANCE DATA-ALPHA SWEEPS

(A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RJF115)	□	(CA-8) K2V9.1.2TS5F30G5.3.5TS401
(RJF116)	○	(CA-8) K2V9.1.2TS5H15.6.1F10TS401
(RJF117)	◇	(CA-8) K2V9.1.2TS5H15.6.1F10TS401
(RJF118)	△	(CA-8) K2V9.1.2TS5H15.6.1F10TS401
(RJF119)	▽	(CA-8) K2V9.1.2TS5H15.6.1F10TS401

ELEVTR	STAB	BETA
.000	3.000	.000
.000	.000	.000
.000	-4.000	.000
.000	-2.000	.000

REFERENCE INFORMATION		
SREF	5500.0000	SQ.FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XM RP	1339.9100	IN.XC
YM RP	.0000	IN.YC
ZM RP	190.7500	IN.ZC
SCALE	.0400	

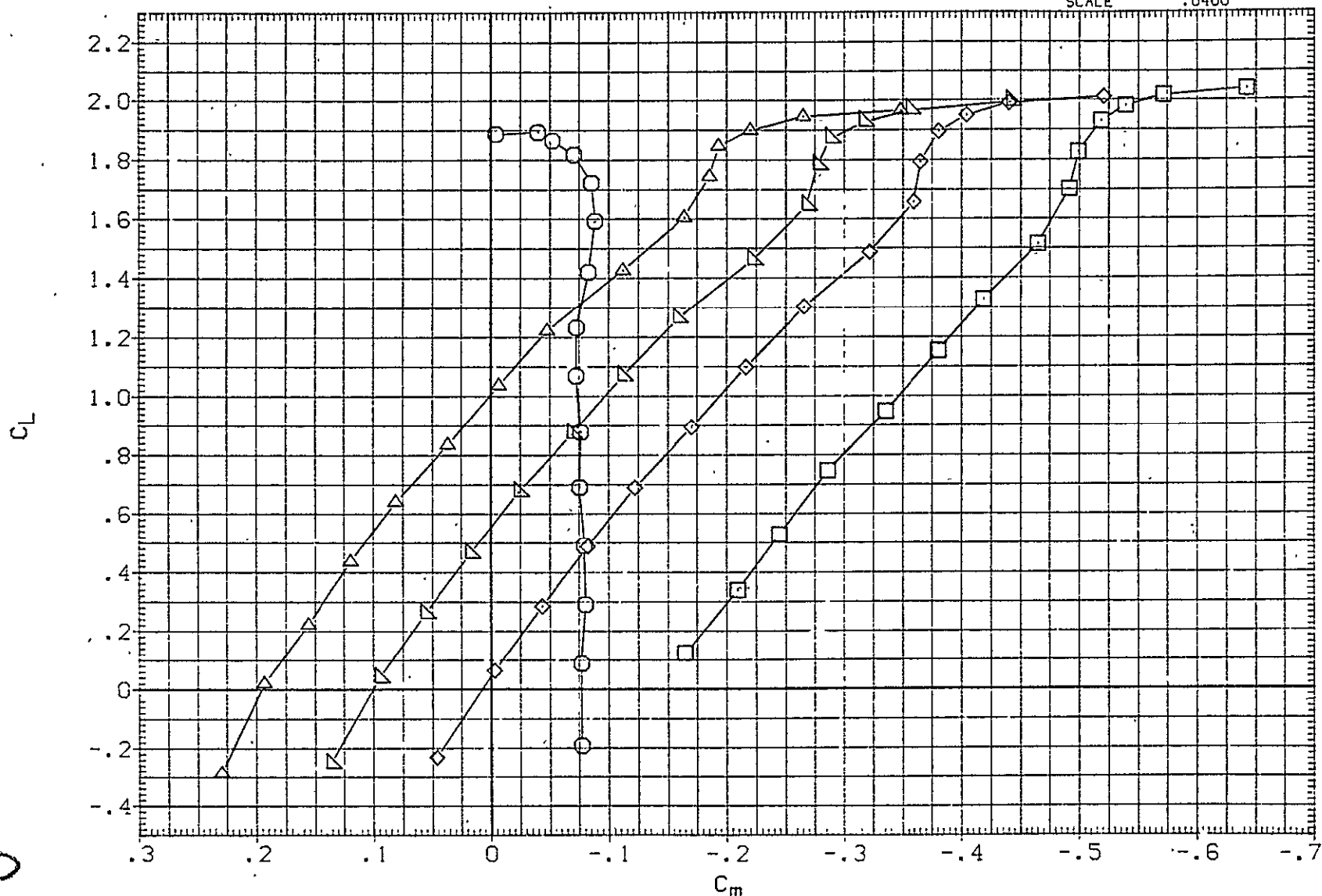


FIG 14 FERRY CONFIG. STABILIZER EFFECTIVENESS, FLAPS 10, IORB=3, TC ON, ELEV=0
MAIN BALANCE DATA-ALPHA SWEEPS

(A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RJF115)	○	(CA-8) K2V9.1.2TS5F30G5.3.5TS401
(RJF116)	□	(CA-8) K2V9.1.2TS5H15.6.1F10TS401
(RJF117)	◇	(CA-8) K2V9.1.2TS5H15.6.1F10TS401
(RJF118)	△	(CA-8) K2V9.1.2TS5H15.6.1F10TS401
(RJF119)	▽	(CA-8) K2V9.1.2TS5H15.6.1F10TS401

ELEVTR	STAB	BETA
.000	3.000	.000
.000	.000	.000
.000	-4.000	.000
.000	-2.000	.000

REFERENCE INFORMATION		
SREF	5500.0000	50. FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMRP	1339.9100	IN. XC
YMRP	.0000	IN. YC
ZMRP	190.7500	IN. ZC
SCALE	.0400	

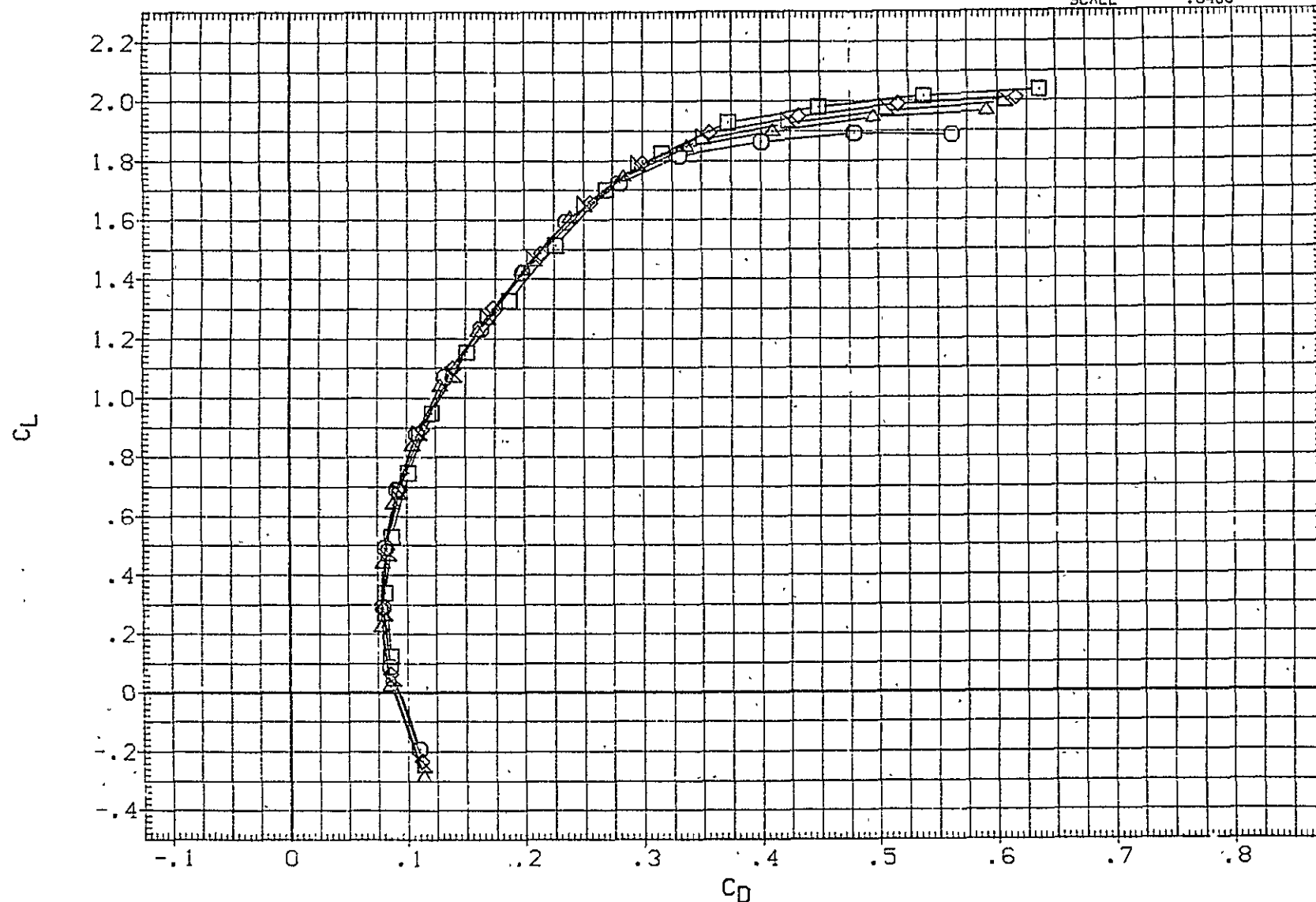


FIG 14 FERRY CONFIG. STABILIZER EFFECTIVENESS, FLAPS 10, IORB=3, TC ON, ELEV=0
MAIN BALANCE DATA-ALPHA SWEEPS

(A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RJF097)	○	(CA-8) K2V9.1.2TS5 F20TS401
(RJF094)	□	(CA-8) K2V9.1.2TS5H15.6.1F20TS401
(RJF095)	◇	(CA-8) K2V9.1.2TS5H15.6.1F20TS401
(PJF096)	△	(CA-8) K2V9.1.2TS5H15.6.1F20TS401

ELEVTR	STAB	BETA
.000	-2.000	.000
.000	-4.000	.000
.000	-6.000	.000

REFERENCE INFORMATION		
SREF	5500.0000	50. FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMRP	1339.9100	IN. XC
YMRP	.0000	IN. YC
ZMRP	190.7500	IN. ZC
SCALE	.0400	

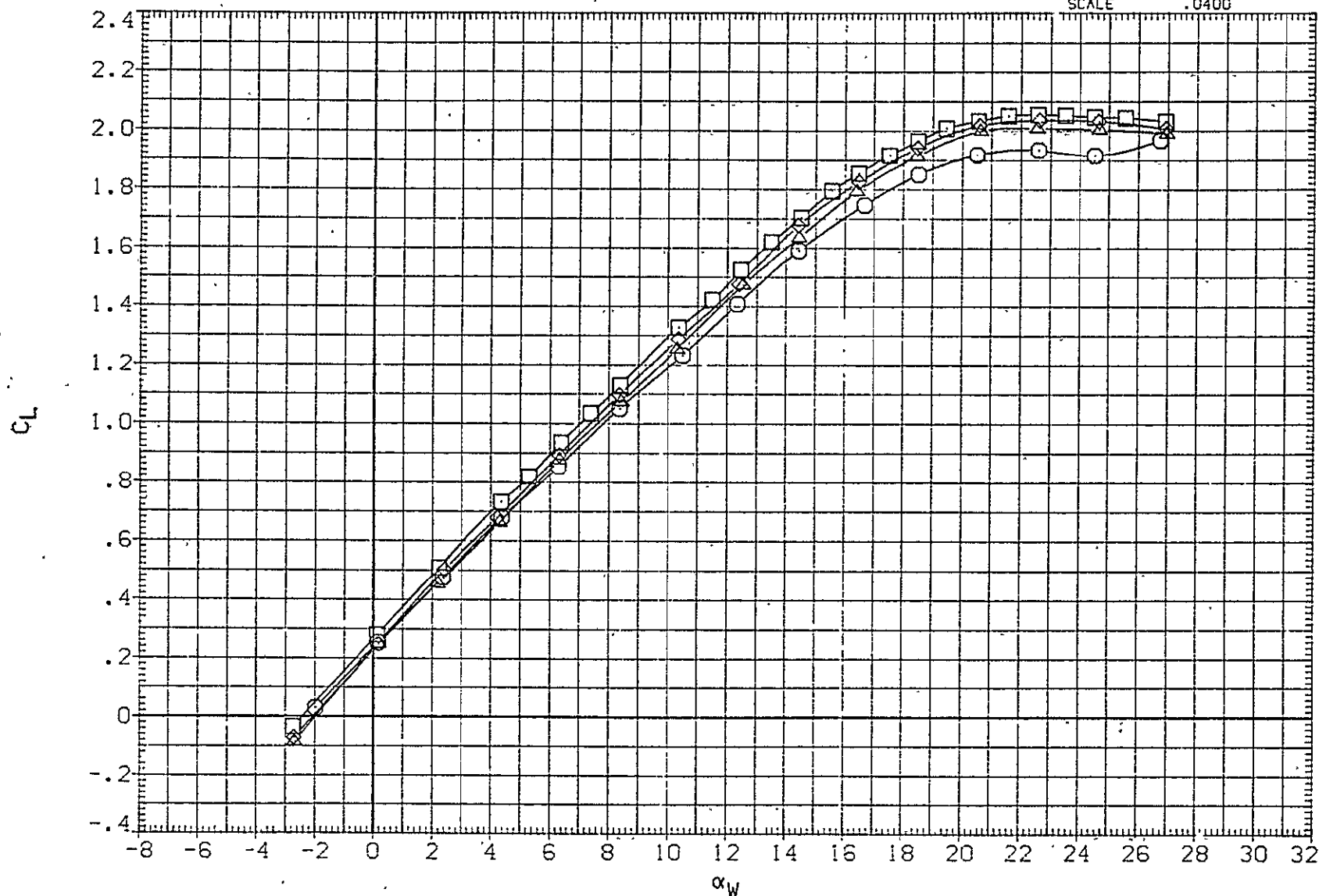


FIG 15 FERRY CONFIG. STABILIZER EFFECTIVENESS. FLAPS 20, IORB=3, TC ON, ELEV=0
MAIN BALANCE DATA-ALPHA SWEEPS

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BETA	REFERENCE INFORMATION		
(RJF097)	○	(CA-8) K2V9.1.2TSS F2JTS401			.000	SREF	5500.0000	SQ.FT.
(RJF094)	□	(CA-8) K2V9.1.2TSSH15.6.1F20TS401	.000	-2.000	.000	LREF	327.8000	IN.
(RJF095)	◇	(CA-8) K2V9.1.2TSSH15.6.1F20TS401	.000	-4.000	.000	BREF	2348.0000	IN.
(RJF096)	△	(CA-8) K2V9.1.2TSSH15.6.1F20TS401	.000	-6.000	.000	XMRP	1339.9100	IN.XC
						YMRP	.0000	IN.YC
						ZMPP	190.7500	IN.ZC
						SCALE	.0400	

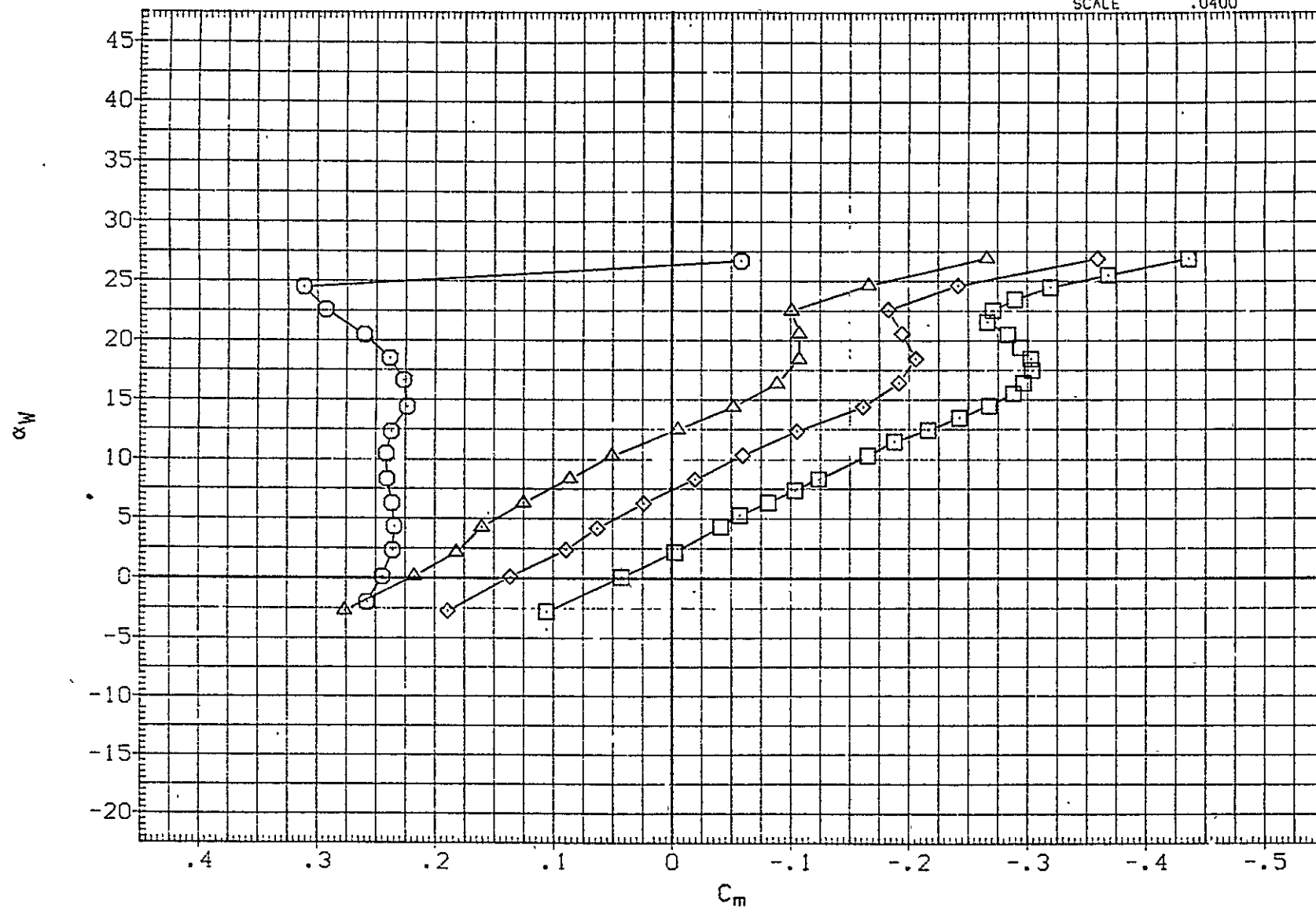


FIG 15 FERRY CONFIG. STABILIZER EFFECTIVENESS, FLAPS 20, IORB=3, TC ON, ELEV=0
MAIN BALANCE DATA-ALPHA SWEEPS

(A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RjF097)	○	(CA-8) K2V9.1.2TS5 F20TS401
(RjF094)	□	(CA-8) K2V9.1.2TS5H15.6.1F20TS401
(RjF095)	◇	(CA-8) K2V9.1.2TS5H15.6.1F20TS401
(RjF096)	△	(CA-8) K2V9.1.2TS5H15.6.1F20TS401

ELEVTR	STAB	BETA
.000	-2.000	.000
.000	-4.000	.000
.000	-6.000	.000

REFERENCE INFORMATION		
SREF	5500.0000	SQ. FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMRP	1339.9100	IN. XC
YMRP	.0000	IN. YC
ZMRP	190.7500	IN. ZC
SCALE	.0400	

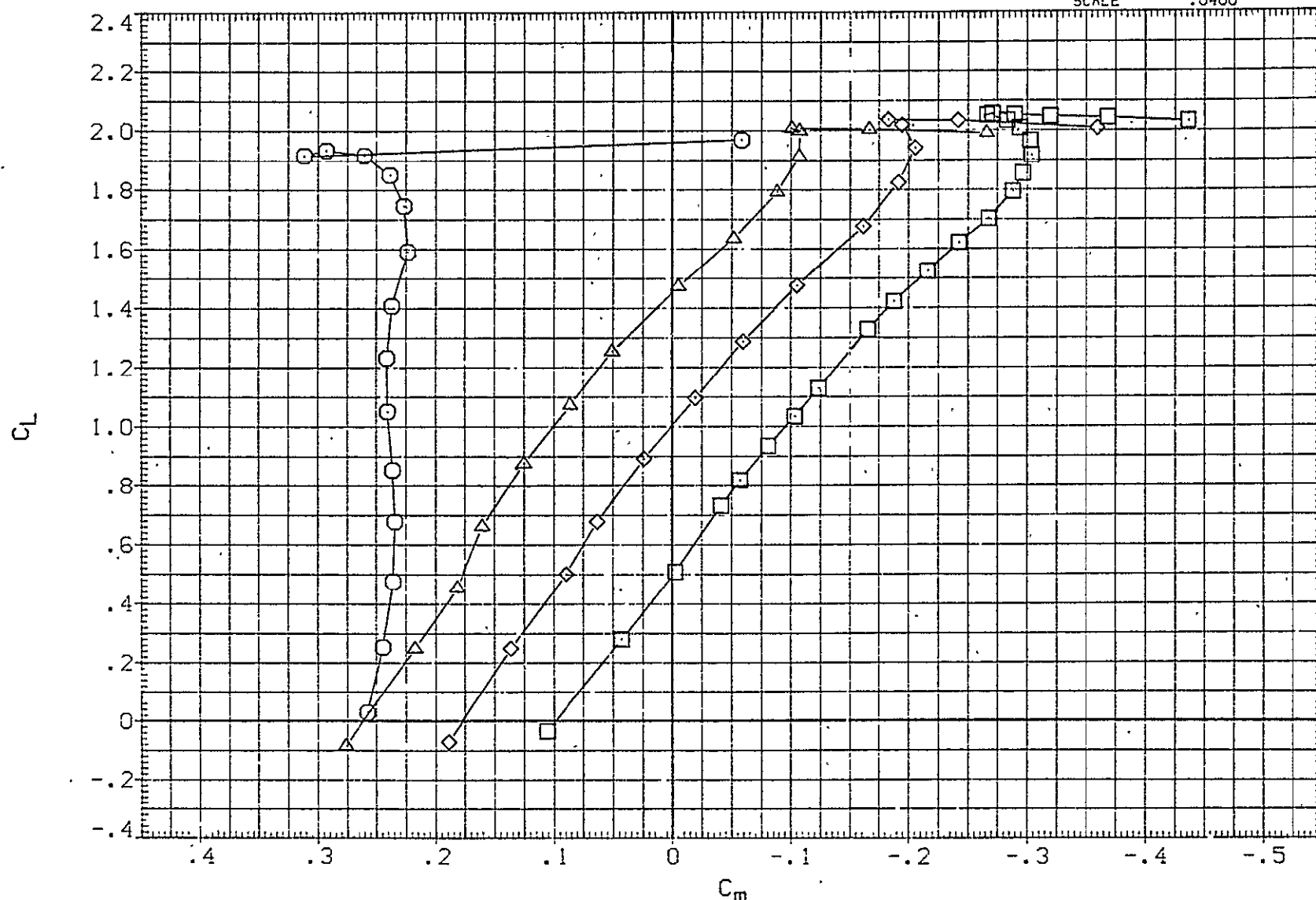


FIG 15 FERRY CONFIG. STABILIZER EFFECTIVENESS, FLAPS 20, IORB=3, TC ON, ELEV=0
MAIN BALANCE DATA-ALPHA SWEEPS

(A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BETA	REFERENCE INFORMATION		
(RJF097)	○	(CA-8) K2V9.1.2TS5 F20TS401			.000	SREF	5500.0000	50. FT.
(RJF094)	□	(CA-8) K2V9.1.2TS5H15.6.1F20TS401	.000	-2.000	.000	LREF	327.8000	IN.
(RJF095)	◇	(CA-8) K2V9.1.2TS5H15.6.1F20TS401	.000	-4.000	.000	BREF	2348.0000	IN.
(RJF096)	△	(CA-8) K2V9.1.2TS5H15.6.1F20TS401	.000	-6.000	.000	XMRP	1339.9100	IN. XC
						YMRP	.0000	IN. YC
						ZMRP	190.7500	IN. ZC
						SCALE	.0400	

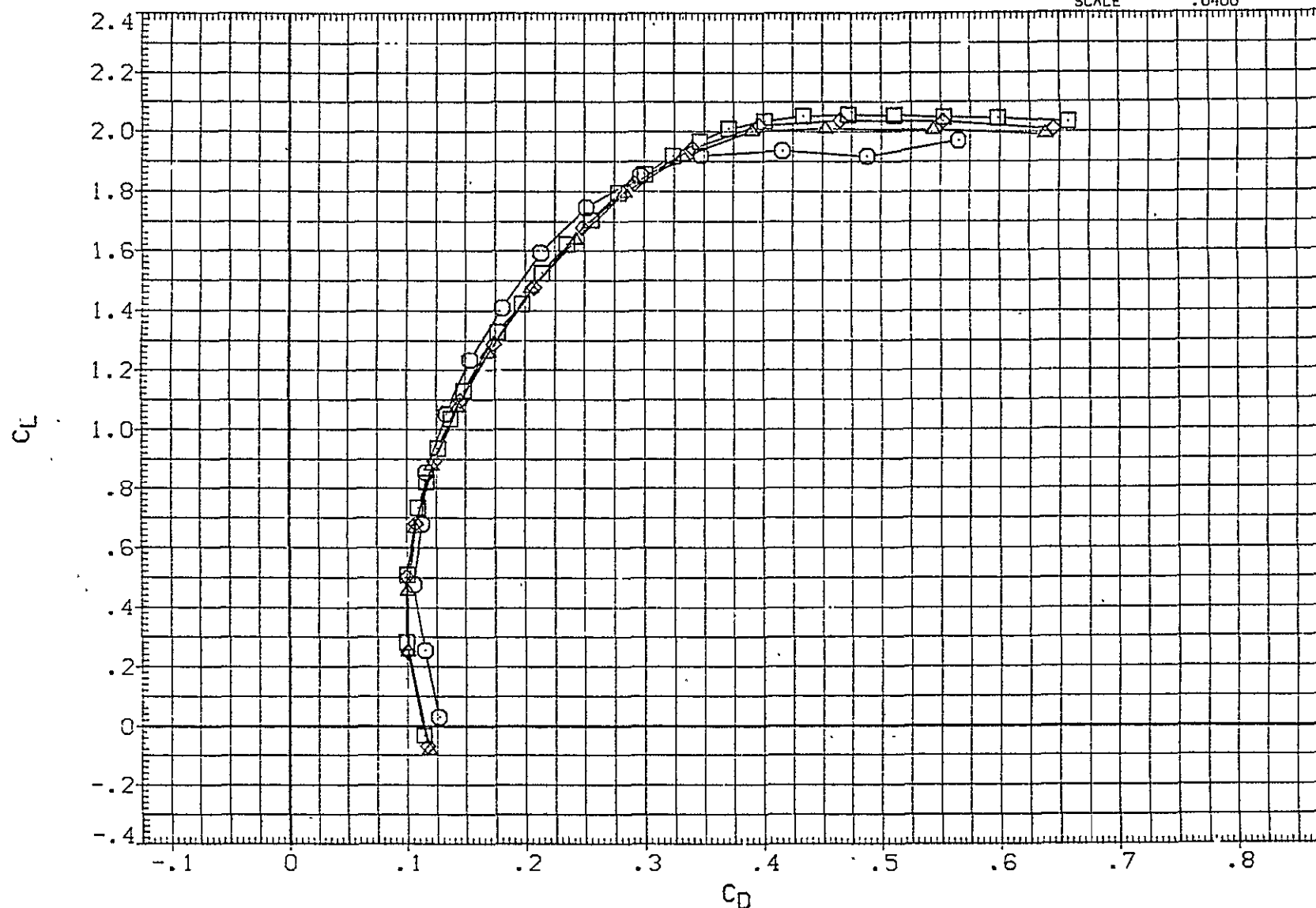


FIG 15 FERRY CONFIG. STABILIZER EFFECTIVENESS, FLAPS 20, IORB=3, TC ON, ELEV=0
 MAIN BALANCE DATA-ALPHA SWEEPS
 (A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BETA	REFERENCE INFORMATION		
(RJF043)	○	(CA-8) K2V9.1.2TS5F30G5.3.5TS401			.000	SREF	5500.0000	SG.
(RJF036)	□	(CA-8) K2V9.1.2TS5F30H15.6.1G5.3.5TS401	.000	-6.000	.000	LREF	327.8000	IN.
(RJF037)	◇	(CA-8) K2V9.1.2TS5F30H15.6.1G5.3.5TS401	.000	-4.000	.000	BREF	2348.0000	IN.
(RJF038)	△	(CA-8) K2V9.1.2TS5F30H15.6.1G5.3.5TS401	.000	-2.000	.000	XMRP	1339.9100	IN.
(RJF039)	▽	(CA-8) K2V9.1.2TS5F30H15.6.1G5.3.5TS401	17.000	-4.000	.000	YMRP	.0000	IN.
						ZMRP	190.7500	IN.
						SCALE	.0400	

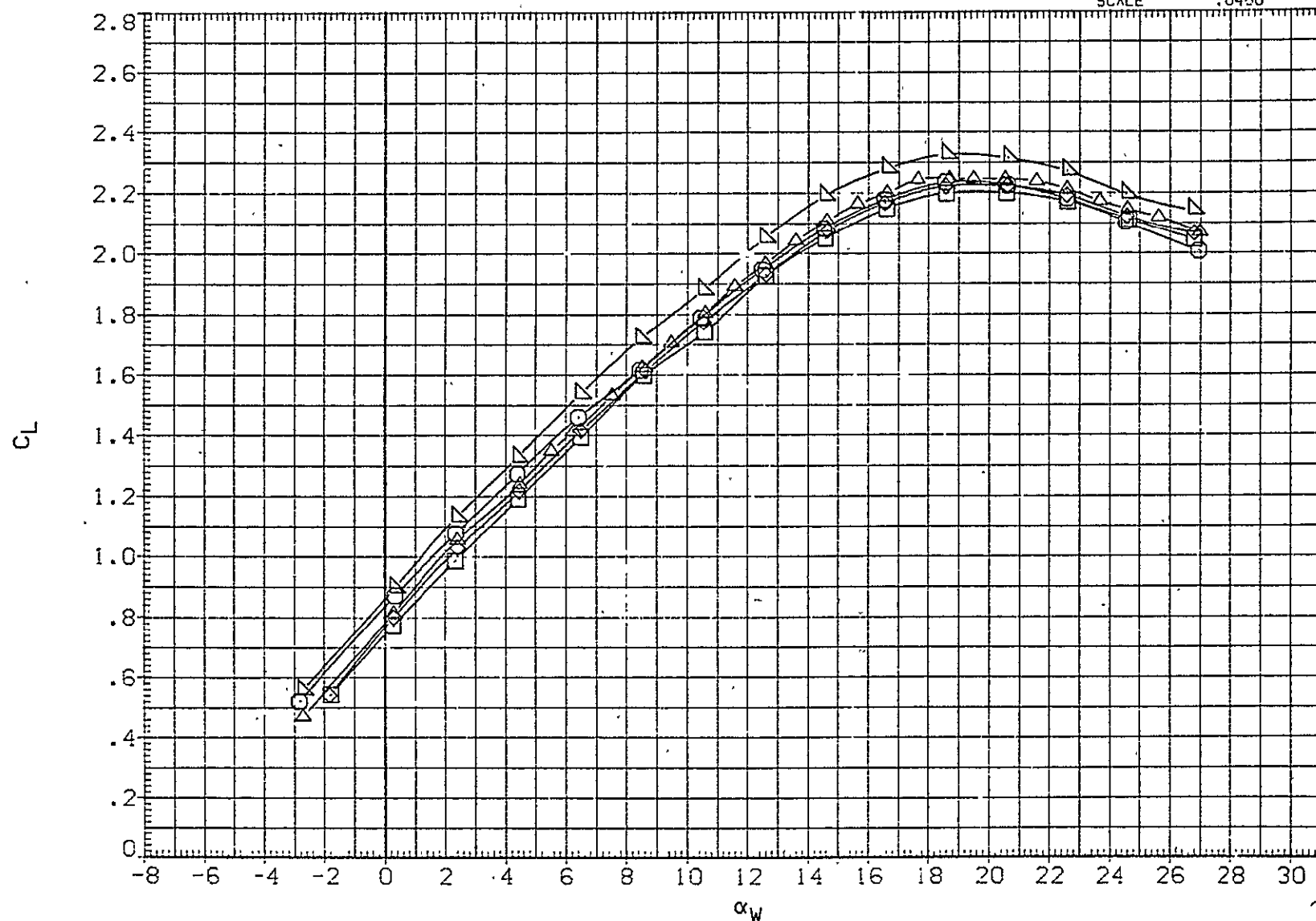


FIG 16 FERRY CONFIG. STABILIZER EFFECTIVENESS, FLAPS 30, IORB=3, TC ON, ELEV=0
MAIN BALANCE DATA-ALPHA SWEEPS

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BETA	REFERENCE INFORMATION		
(RJF043)	○	(CA-8) K2V9.1.2TS5F30G5.3.5TS401			.000	SREF	5500.0000	50.FT.
(RJF036)	□	(CA-8) K2V9.1.2TS5F30H15.6.1G5.3.5TS401	.000	-6.000	.000	LREF	327.8000	IN.
(RJF037)	◇	(CA-8) K2V9.1.2TS5F30H15.6.1G5.3.5TS401	.000	-4.000	.000	BREF	2348.0000	IN.
(RJF038)	△	(CA-8) K2V9.1.2TS5F30H15.6.1G5.3.5TS401	.000	-2.000	.000	XMRP	1339.9100	IN.XC
(RJF039)	▽	(CA-8) K2V9.1.2TS5F30H15.6.1G5.3.5TS401	17.000	-4.000	.000	YMRP	.0000	IN.YC
						ZMRP	190.7500	IN.ZC
						SCALE	.0400	

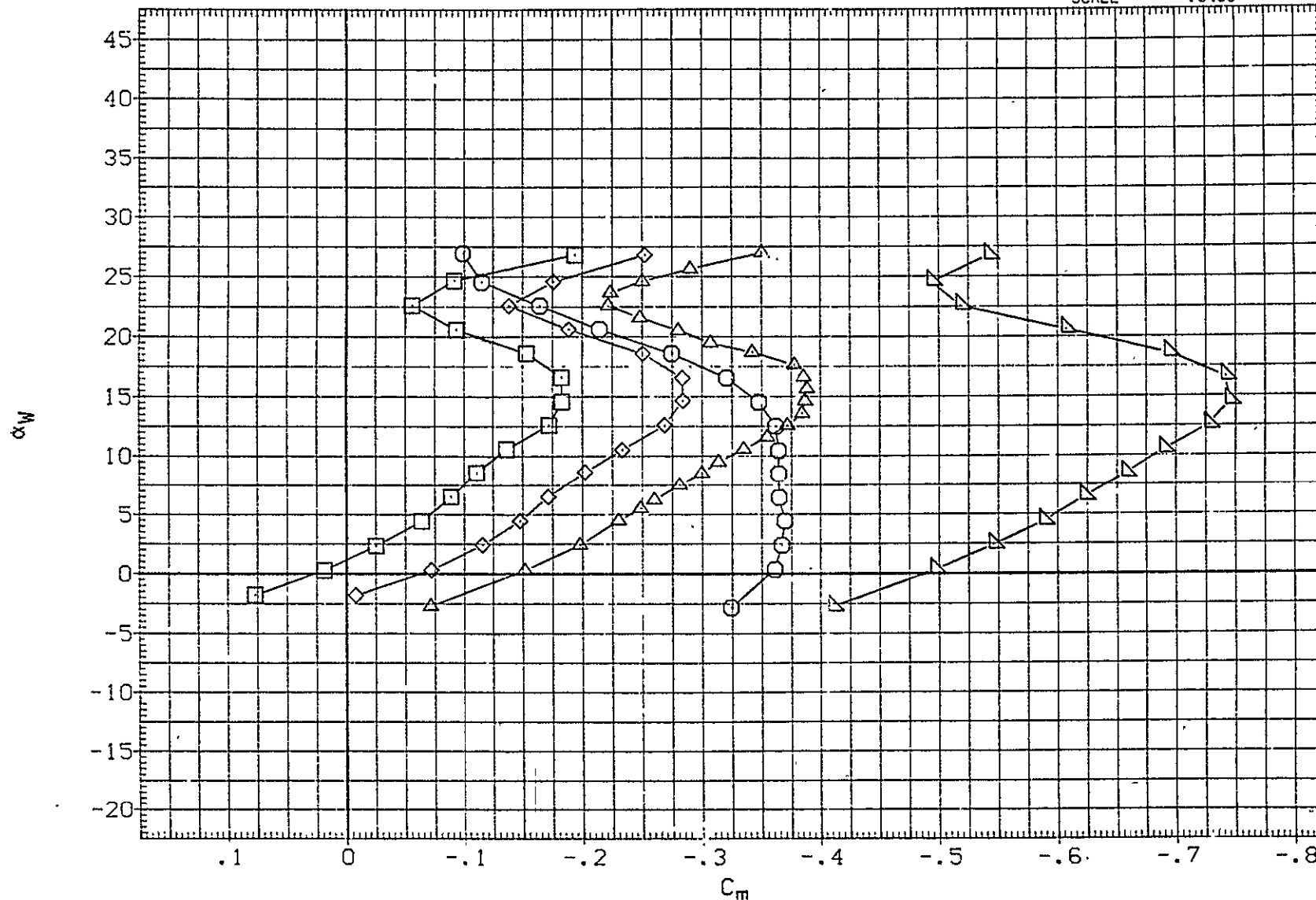


FIG 16 FERRY CONFIG. STABILIZER EFFECTIVENESS, FLAPS 30, IORB=3, TC ON, ELEV=0
MAIN BALANCE DATA-ALPHA SWEEPS

(A) MACH = .15

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REPRODUCIBILITY OF THE
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DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BETA	REFERENCE INFORMATION		
(RJF043)	○	(CA-8) K2V9.1.2TS5F30G5.3.5TS401			.000	SREF	5500.0000	SG
(RJF036)	□	(CA-8) K2V9.1.2TS5F30H15.6.1G5.3.5TS401	.000	-6.000	.000	LREF	327.8000	IN
(RJF037)	◇	(CA-8) K2V9.1.2TS5F30H15.6.1G5.3.5TS401	.000	-4.000	.000	BREF	2348.0000	IN
(RJF038)	△	(CA-8) K2V9.1.2TS5F30H15.6.1G5.3.5TS401	.000	-2.000	.000	XMRP	1339.9100	IN
(RJF039)	▽	(CA-8) K2V9.1.2TS5F30H15.6.1G5.3.5TS401	17.000	-4.000	.000	YMRP	.0000	IN
						ZMRP	190.7500	IN
						SCALE	.0400	

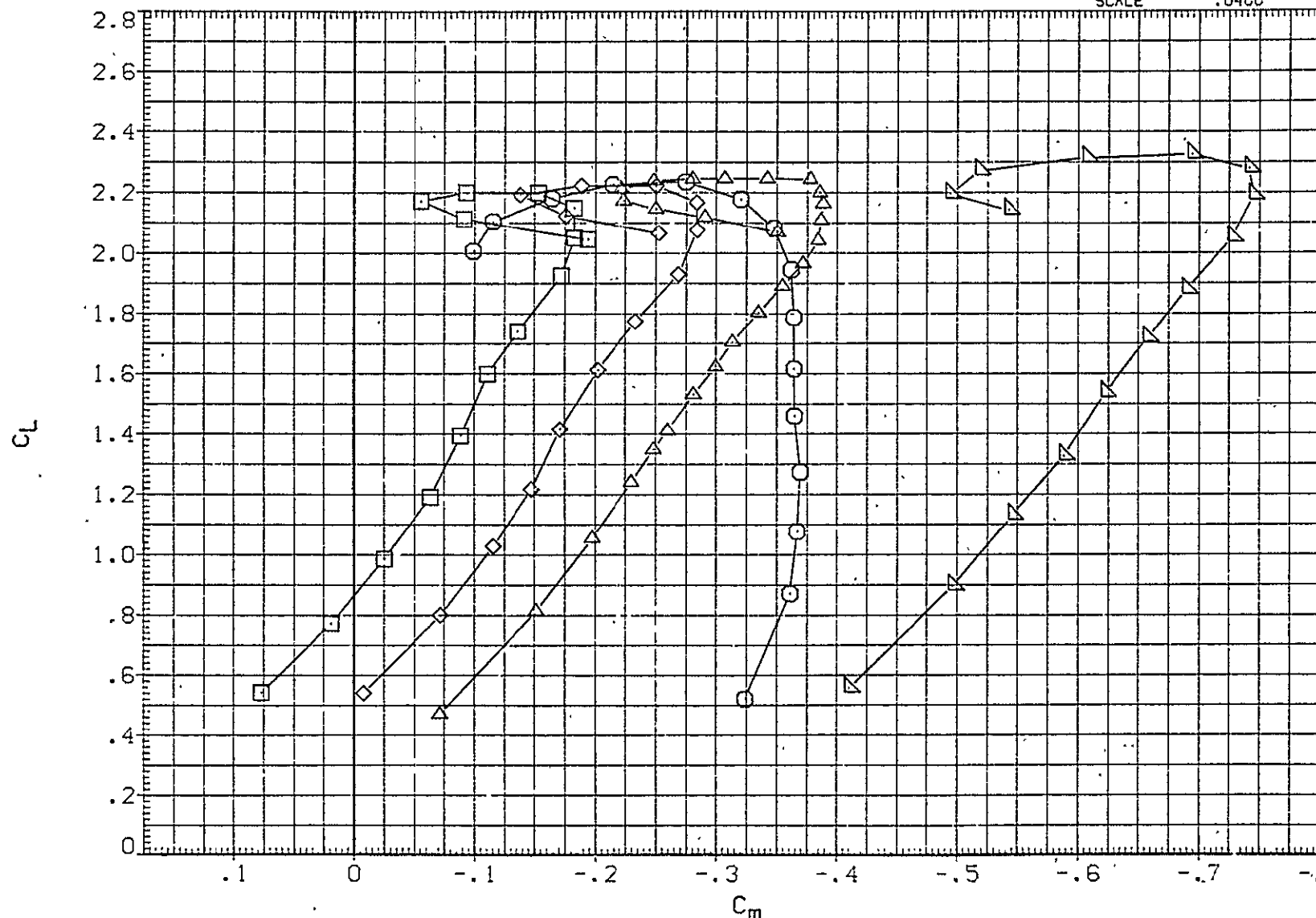


FIG 16 FERRY CONFIG. STABILIZER EFFECTIVENESS, FLAPS 30, IORB=3, TC ON, ELEV=0
MAIN BALANCE DATA-ALPHA SWEEPS

(A) MACH = .15

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DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BETA	REFERENCE INFORMATION		
(RJF043)	○	(CA-8) K2V9.1.2TS5F30G5.3.5TS401			.000	SREF	5500.0000	SQ.FT.
(RJF036)	□	(CA-8) K2V9.1.2TS5F30H15.6.1G5.3.5TS401	.000	-6.000	.000	LREF	327.8000	IN.
(RJF037)	◇	(CA-8) K2V9.1.2TS5F30H15.6.1G5.3.5TS401	.000	-4.000	.000	BREF	2348.0000	IN.
(RJF038)	△	(CA-8) K2V9.1.2TS5F30H15.6.1G5.3.5TS401	.000	-2.000	.000	XMRP	1339.9100	IN.XC
(RJF039)	▽	(CA-8) K2V9.1.2TS5F30H15.6.1G5.3.5TS401	17.000	-4.000	.000	YMRP	.0000	IN.YC
						ZMRP	190.7500	IN.ZC
						SCALE	.0400	

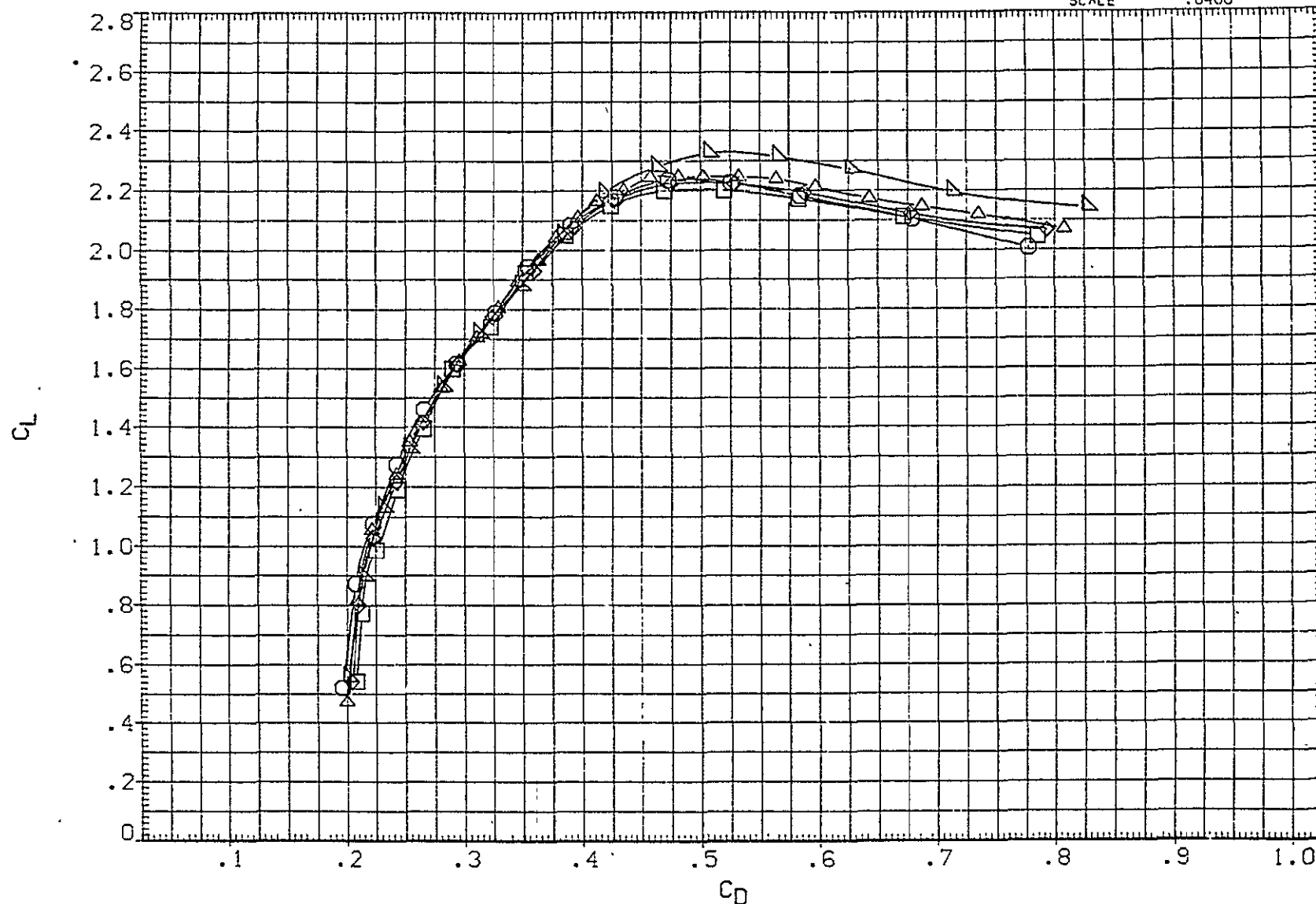


FIG 16 FERRY CONFIG. STABILIZER EFFECTIVENESS, FLAPS 30, IORB=3, TC ON, ELEV=0
MAIN BALANCE DATA-ALPHA SWEEPS

(A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELE/TR	STAB	BETA	REFERENCE INFORMATION		
(RJF119)	○	(CA-8) K2V9.1.2TS5H15.6.1FIOTS401	.000	-2.000	.000	SREF	5500.0000	50.FT.
(RJF120)	□	(CA-8) K2V9.1.2TS5H15.6.1FIOTS401	-23.000	-2.000	.000	LREF	327.8000	IN.
(RJF121)	◇	(CA-8) K2V9.1.2TS6H15.6.1FIOTS401	17.000	-2.000	.000	BREF	2348.0000	IN.
						XMRP	1339.9100	IN. XC
						YMRP	.0000	IN. YC
						ZMRP	190.7500	IN. ZC
						SCALE	.0400	

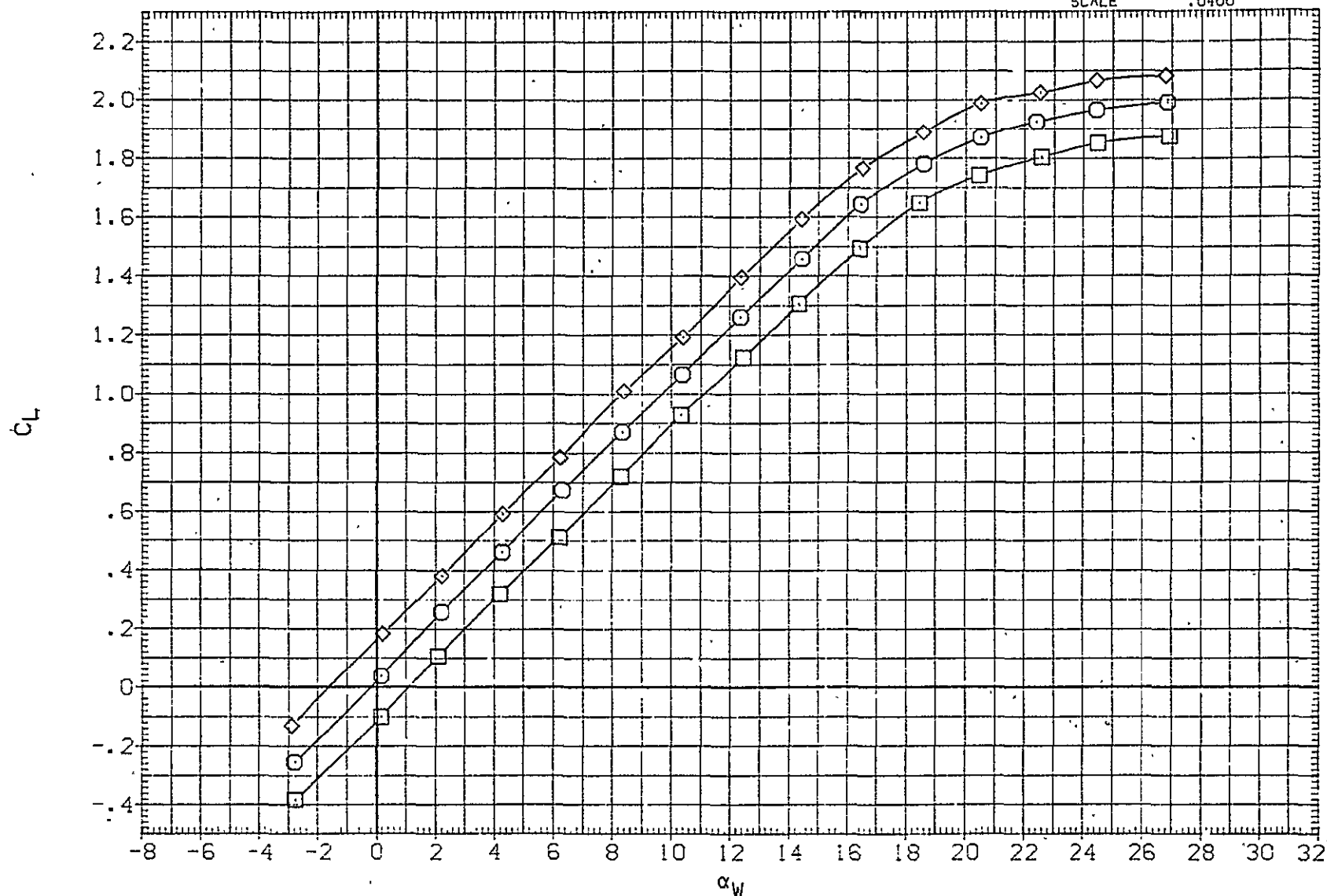


FIG 17 FERRY CONFIG. ELEVATOR EFFECTIVENESS, FLAPS 10, IORB=3, TC ON, ELEV=0
MAIN BALANCE DATA-ALPHA SWEEPS

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BETA	REFERENCE INFORMATION	
(RJF119)	○	(CA-8) K2V9.1.2TS5H15.6.1F10TS401	.000	-2.000	.000	SREF	5500.0000 SQ.FT.
(RJF120)	□	(CA-8) K2V9.1.2TS5H15.6.1F10TS401	-23.000	-2.000	.000	LREF	327.8000 IN.
(RJF121)	◇	(CA-8) K2V9.1.2TS6H15.6.1F10TS401	17.000	-2.000	.000	BREF	2348.0000 IN.
						XMRP	1339.9100 IN.XC
						YMRP	.0000 IN.YC
						ZMRP	190.7500 IN.ZC
						SCALE	.0400

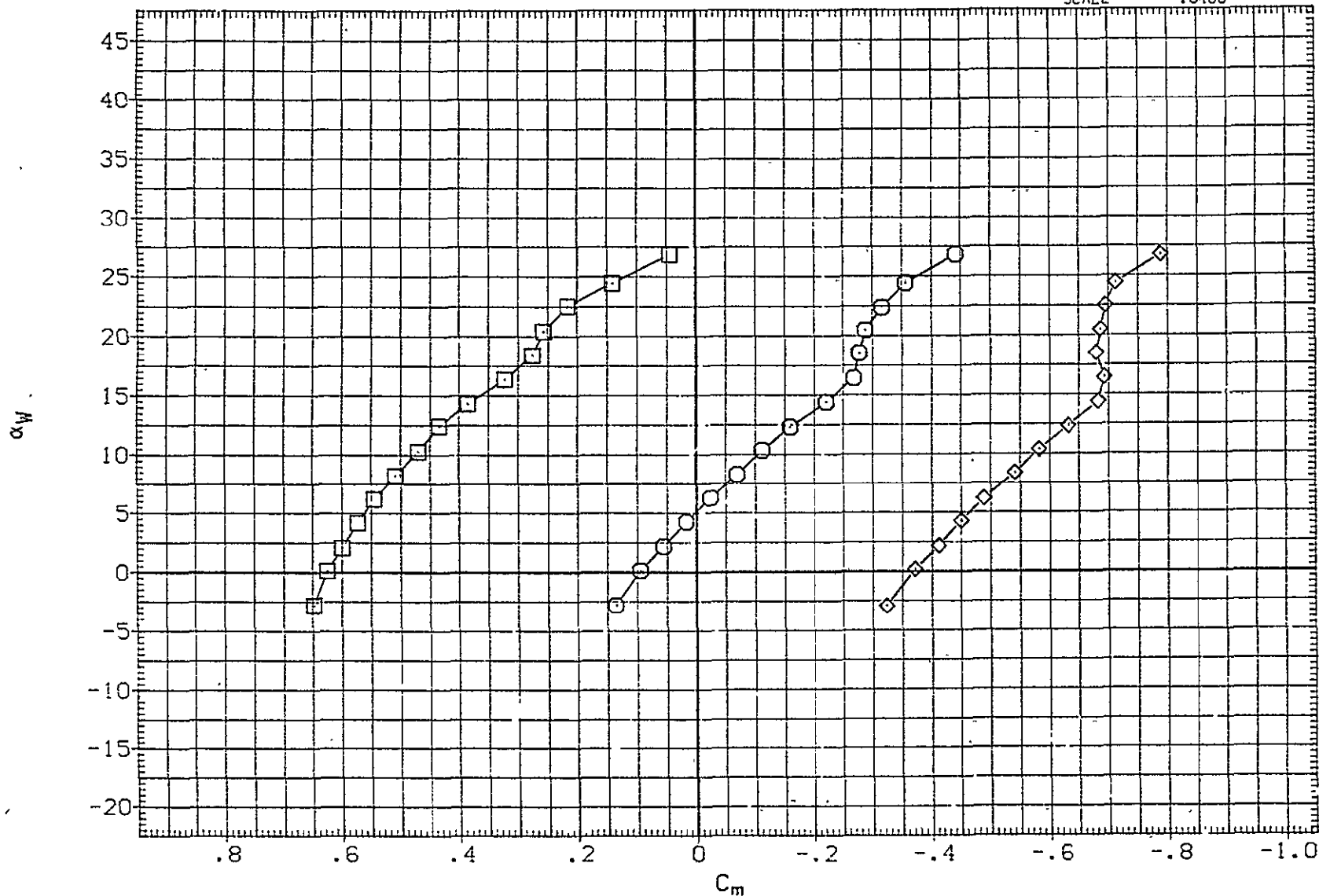


FIG 17 FERRY CONFIG. ELEVATOR EFFECTIVENESS. FLAPS 10, IORB=3, TC ON, ELEV=0
MAIN BALANCE DATA-ALPHA SWEEPS

(A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BETA	REFERENCE INFORMATION		
(RJF119)	○	(CA-8) K2V9.1.2TS5H15.6.1F10TS401	.000	-2.000	.000	SREF	5500.0000	50. FT
(RJF120)	□	(CA-8) K2V9.1.2TS5H15.6.1F10TS401	-23.000	-2.000	.000	LREF	327.8000	IN.
(RJF121)	◇	(CA-8) K2V9.1.2TS6H15.6.1F10TS401	17.000	-2.000	.000	BREF	2348.0000	IN.
						XMRP	1339.9100	IN. XC
						YMRP	.0000	IN. YC
						ZMRP	190.7500	IN. ZC
						SCALE	.0400	

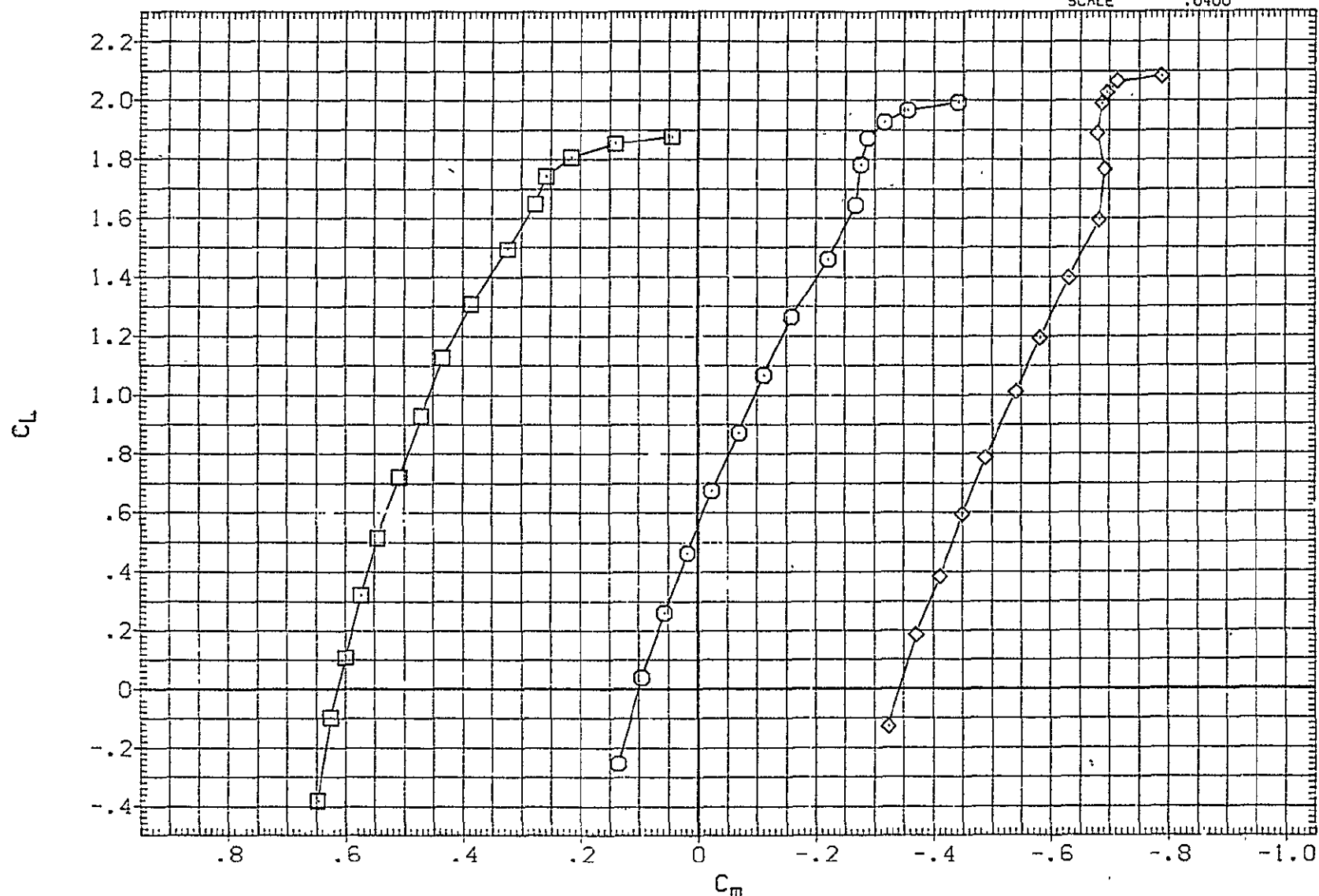


FIG 17 FERRY CONFIG. ELEVATOR EFFECTIVENESS, FLAPS 10, 10RB=3, TC ON, ELEV=0
MAIN BALANCE DATA-ALPHA SWEEPS

(A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RJF119)	○	(CA-8) K2V9.1.2TS5H15.6.1F10TS401
(RJF120)	□	(CA-8) K2V9.1.2TS5H15.6.1F10TS401
(RJF121)	◇	(CA-8) K2V9.1.2TS6H15.6.1F10TS401

ELEVTR	STAB	BETA
.000	-2.000	.000
-23.000	-2.000	.000
17.000	-2.000	.000

REFERENCE INFORMATION		
SREF	5500.0000	SO.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMRP	1339.9100	IN.
YMRP	.0000	IN.
ZMRP	190.7500	IN.
SCALE	.0400	

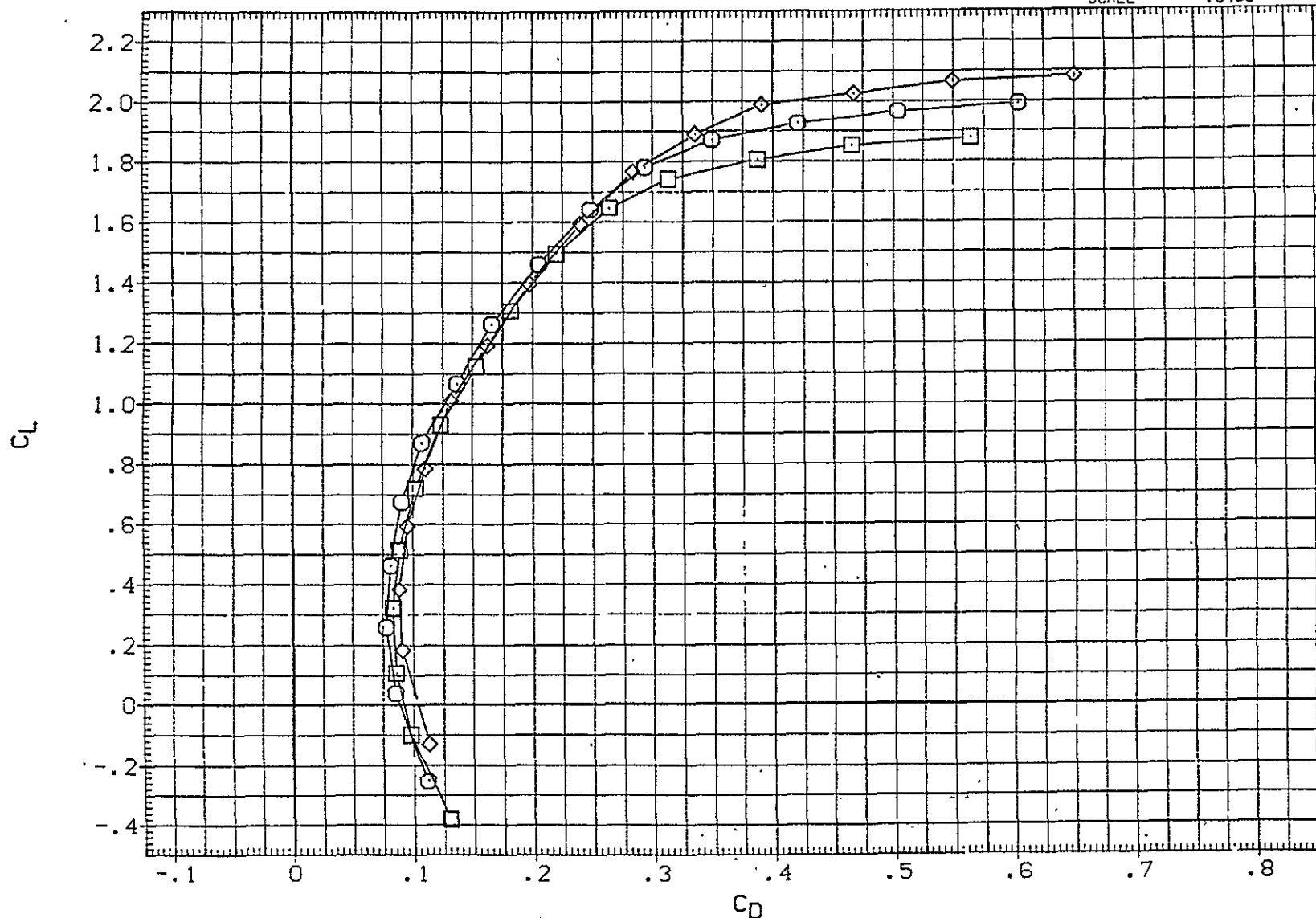


FIG 17 FERRY CONFIG. ELEVATOR EFFECTIVENESS, FLAPS 10, IORB=3, TC ON, ELEV=0
MAIN BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

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DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RJF095)	○	(CA-8) K2V9.1.2TS5H15.6.1F20TS401
(RJF098)	□	(CA-8) K2V9.1.2TS5H15.6.1F20TS401
(RJF099)	◇	(CA-8) K2V9.1.2TS5H15.6.1F20TS401

ELEVTR	STAB	BETA
.000	-4.000	.000
-23.000	-4.000	.000
17.000	-4.000	.000

REFERENCE INFORMATION		
SREF	5500.0000	50.FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMRP	1339.9100	IN. XC
YMRP	.0000	IN. YC
ZMRP	190.7500	IN. ZC
SCALE	.0400	

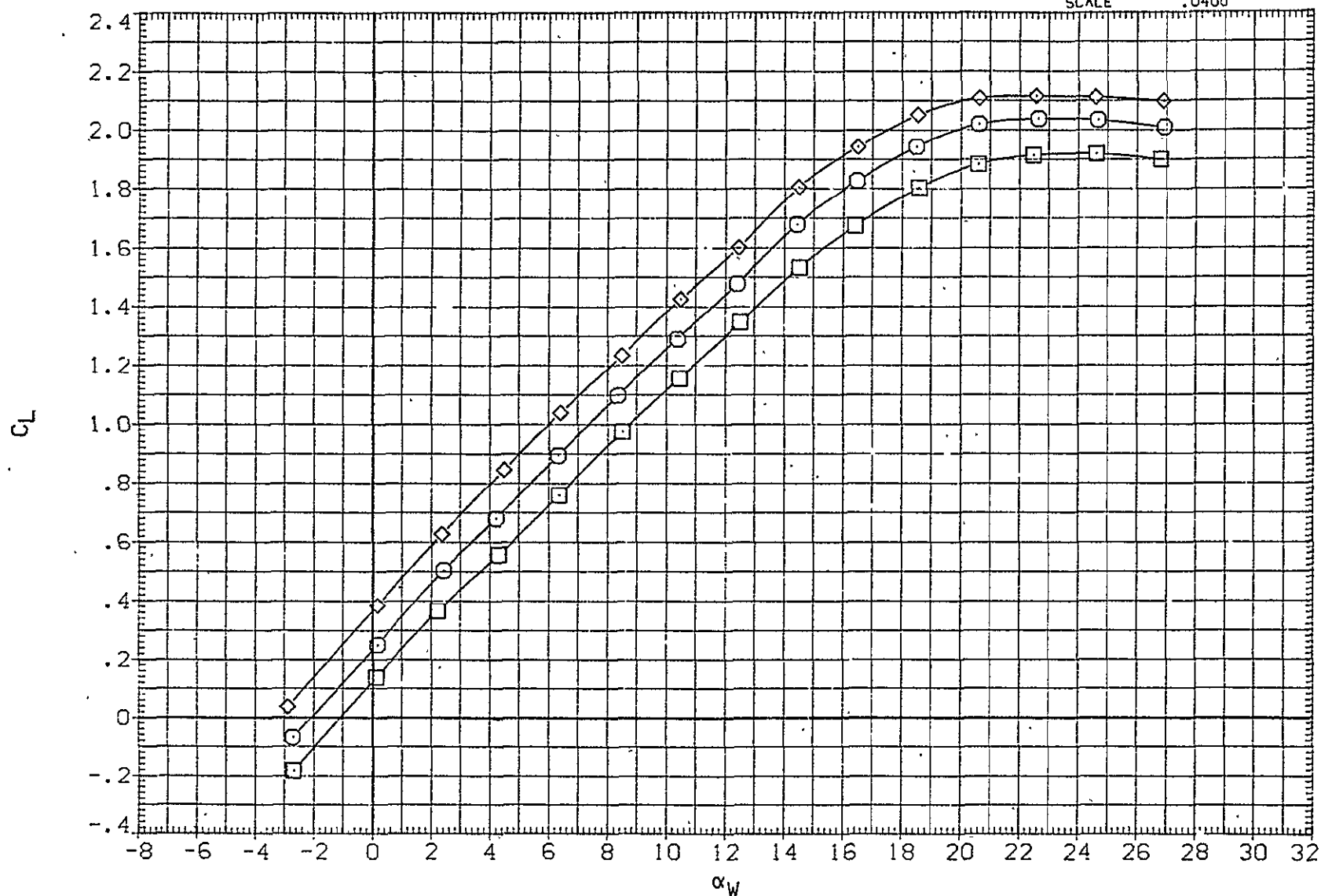


FIG 18 FERRY CONFIG. ELEVATOR EFFECTIVENESS. FLAPS 20. IORB=3, TC ON, ELEV=0
MAIN BALANCE DATA-ALPHA SWEEPS

(A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RJF095)	○	(CA-8) K2V9.1.2TS5H15.6.1F20TS401
(RJF098)	□	(CA-8) K2V9.1.2TS5H15.6.1F20TS401
(RJF099)	◇	(CA-8) K2V9.1.2TS5H15.6.1F20TS401

ELEVTR	STAB	BETA
.000	-4.000	.000
-23.000	-4.000	.000
17.000	-4.000	.000

REFERENCE INFORMATION		
SREF	5500.0000	SO.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMRP	1339.9100	IN.
YMRP	.0000	IN.
ZMRP	190.7500	IN.
SCALE	.0400	

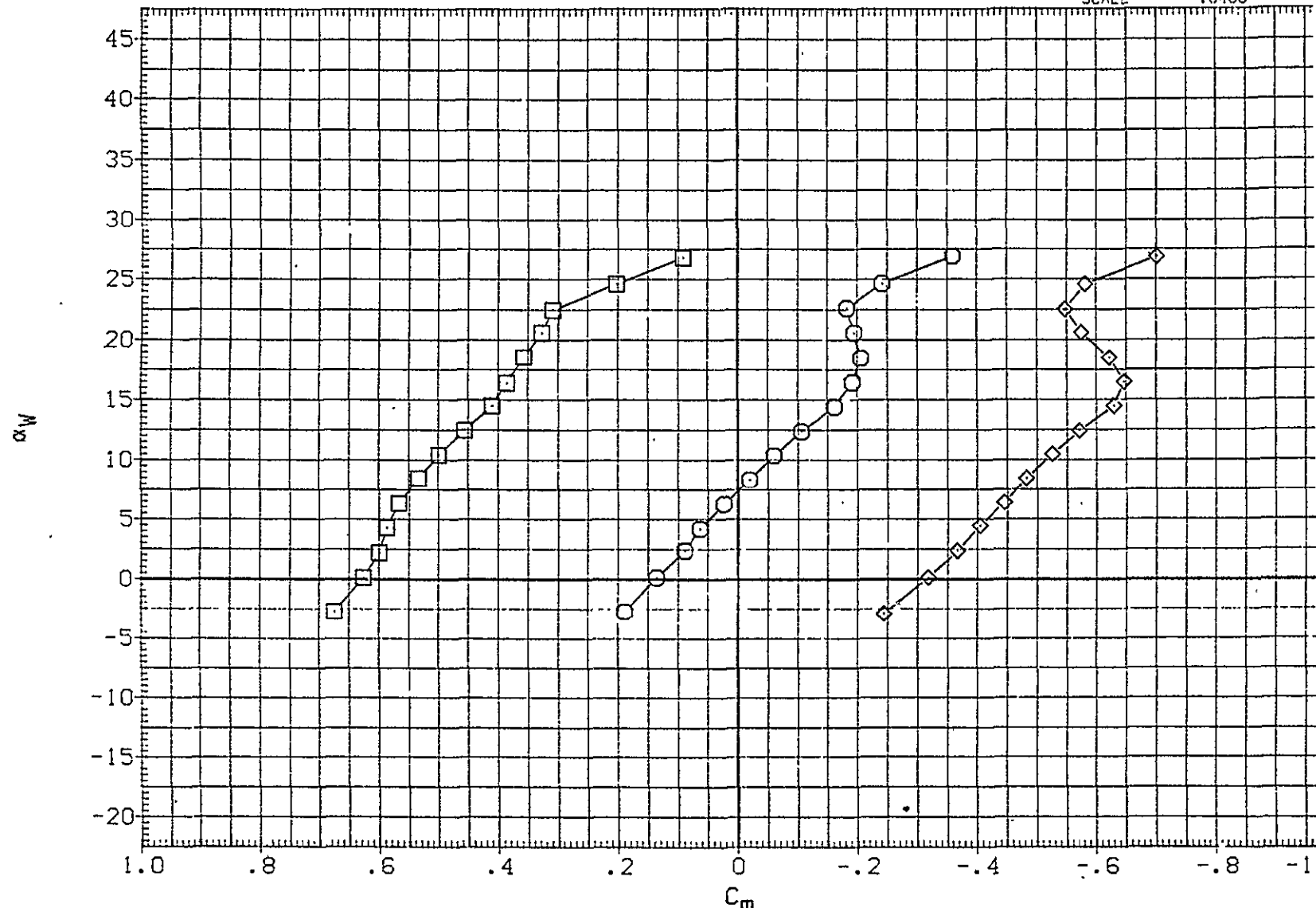


FIG 18 FERRY CONFIG. ELEVATOR EFFECTIVENESS, FLAPS 20, IORB=3, TC ON, ELEV=0
 MAIN BALANCE DATA-ALPHA SWEEPS
 (A) MACH = .15 PAGE

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BETA	REFERENCE INFORMATION		
(RJF095)	○	(CA-8) K2V9.1.2TS5H15.6.1F20TS40I	.000	-4.000	.000	SREF	5500.0000	SQ.FT.
(RJF098)	□	(CA-8) K2V9.1.2TS5H15.6.1F20TS40I	-23.000	-4.000	.000	LREF	327.8000	IN.
(RJF099)	◇	(CA-8) K2V9.1.2TS5H15.6.1F20TS40I	17.000	-4.000	.000	BREF	2348.0000	IN.
						XMRP	1339.9100	IN. XC
						YMRP	.0000	IN. YC
						ZMRP	190.7500	IN. ZC
						SCALE	.0400	

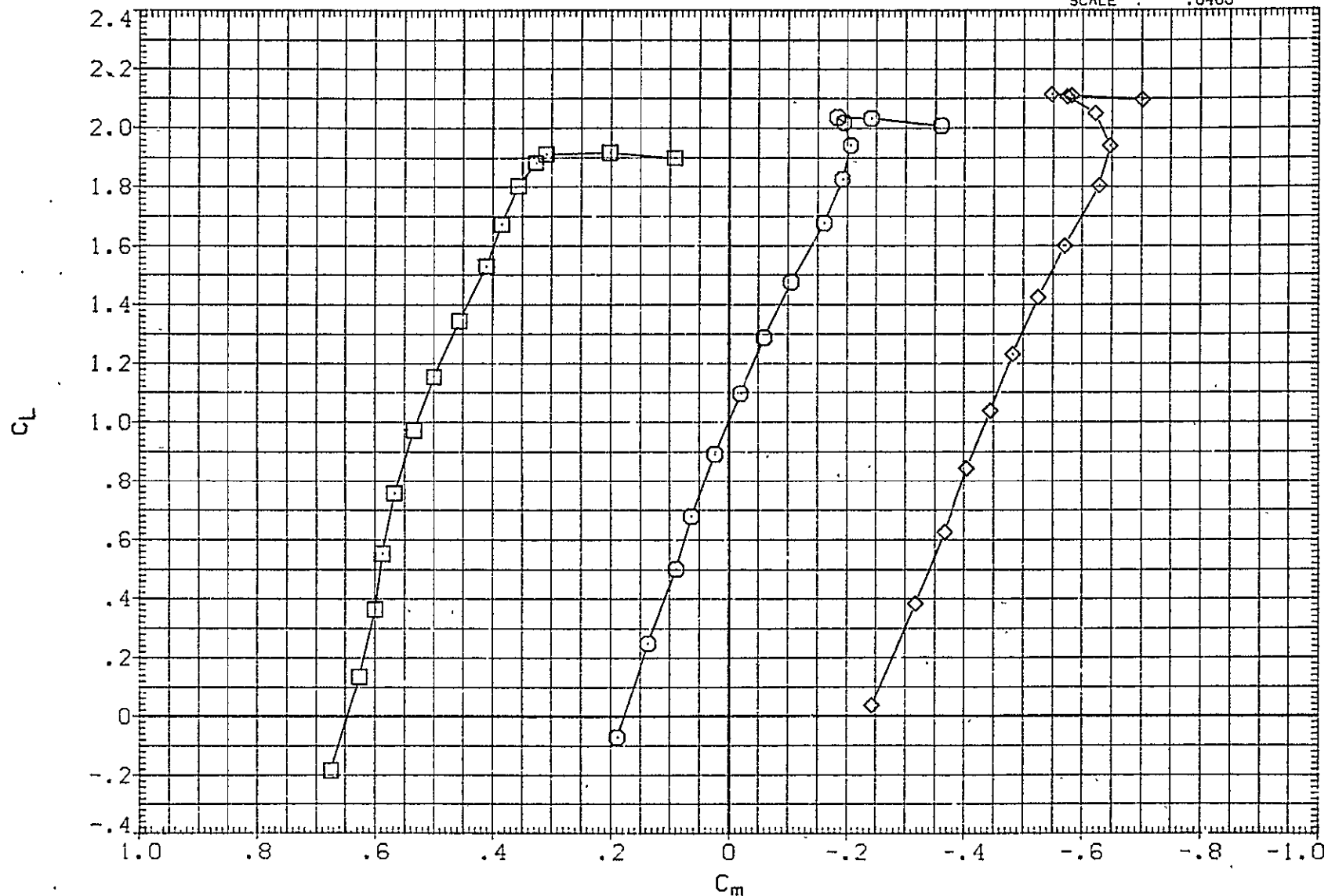


FIG 18 FERRY CONFIG. ELEVATOR EFFECTIVENESS, FLAPS 20, IORB=3, TC ON, ELEV=0
 MAIN BALANCE DATA-ALPHA SWEEPS
 (A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RJF095)	○	(CA-8) K2V9.1.2TS5H15.6.1F20TS401
(RJF098)	□	(CA-8) K2V9.1.2TS5H15.6.1F20TS401
(RJF099)	◇	(CA-8) K2V9.1.2TS5H15.6.1F20TS401

ELEVTR	STAB	BETA
.000	-4.000	.000
-23.000	-4.000	.000
17.000	-4.000	.000

REFERENCE INFORMATION		
SREF	5500.0000	50.1
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMRP	1339.9100	IN.
YMRP	.0000	IN.
ZMRP	190.7500	IN.
SCALE	.0400	

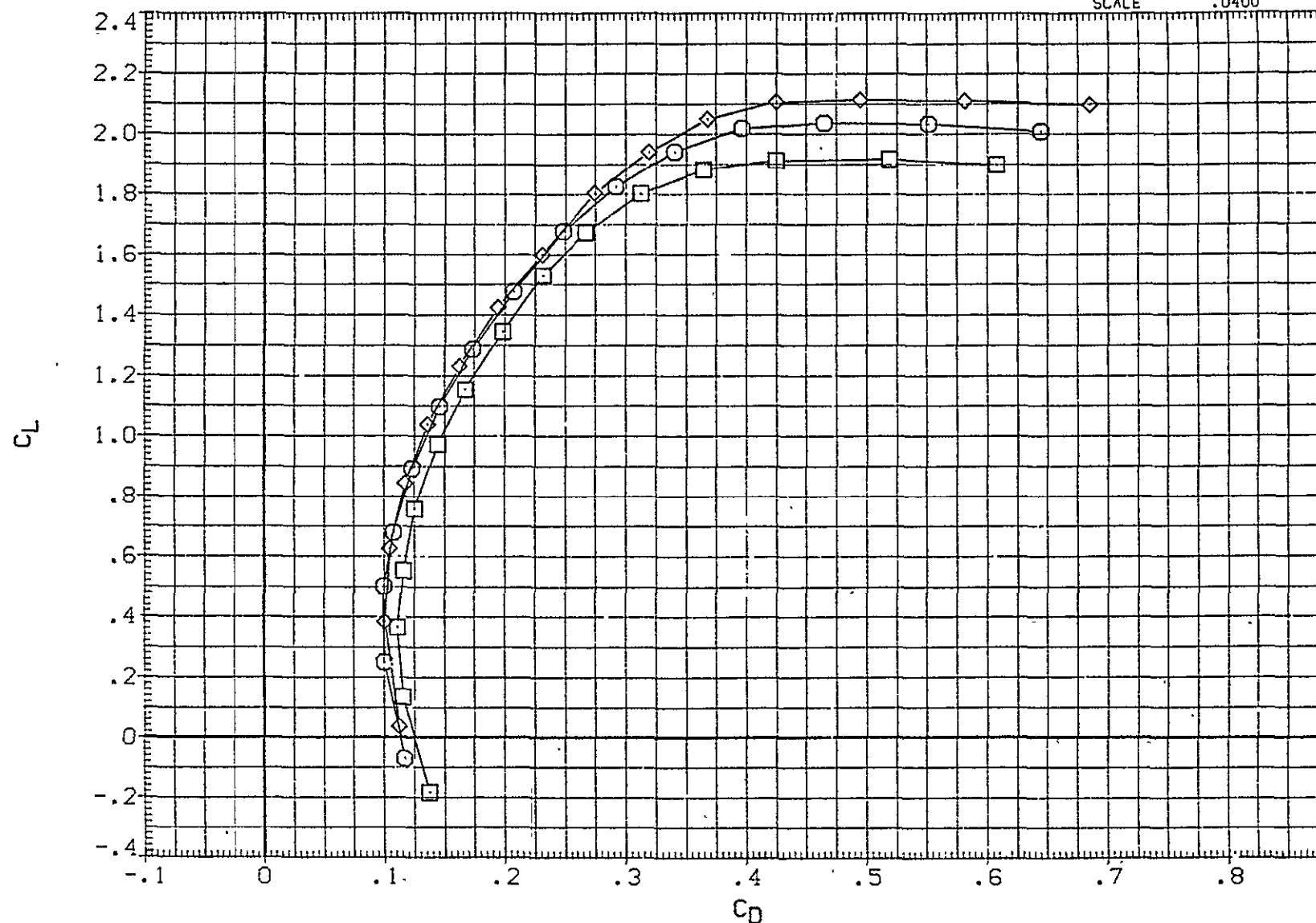


FIG 18 FERRY CONFIG. ELEVATOR EFFECTIVENESS. FLAPS 20, IORB=3, TC ON, ELEV=0
MAIN BALANCE DATA-ALPHA SWEEPS

(CA)MACH = .15

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DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BETA	REFERENCE INFORMATION		
(RJF037)	□	(CA-8) K2V9.1.2TS5F30H15.6.165.3.5TS401	.000	-4.000	.000	SREF	5500.0000	50. FT.
(RJF039)	◇	(CA-8) K2V9.1.2TS5F30H15.6.165.3.5TS401	17.000	-4.000	.000	LREF	327.8000	IN.
(RJF040)	×	(CA-8) K2V9.1.2TS5F30H15.6.165.3.5TS401	10.000	-4.000	.000	BREF	2348.0000	IN.
(RJF041)	△	(CA-8) K2V9.1.2TS5H15.6.1F30G5.3.5TS401	-10.000	-4.000	.000	XMRP	1339.9100	IN. XC
(RJF042)	▽	(CA-8) K2V9.1.2TS5H15.6.1F30G5.3.5TS401	-23.000	-4.000	.000	YMRP	.0000	IN. YC
						ZMRP	190.7500	IN. ZC
						SCALE	.0400	

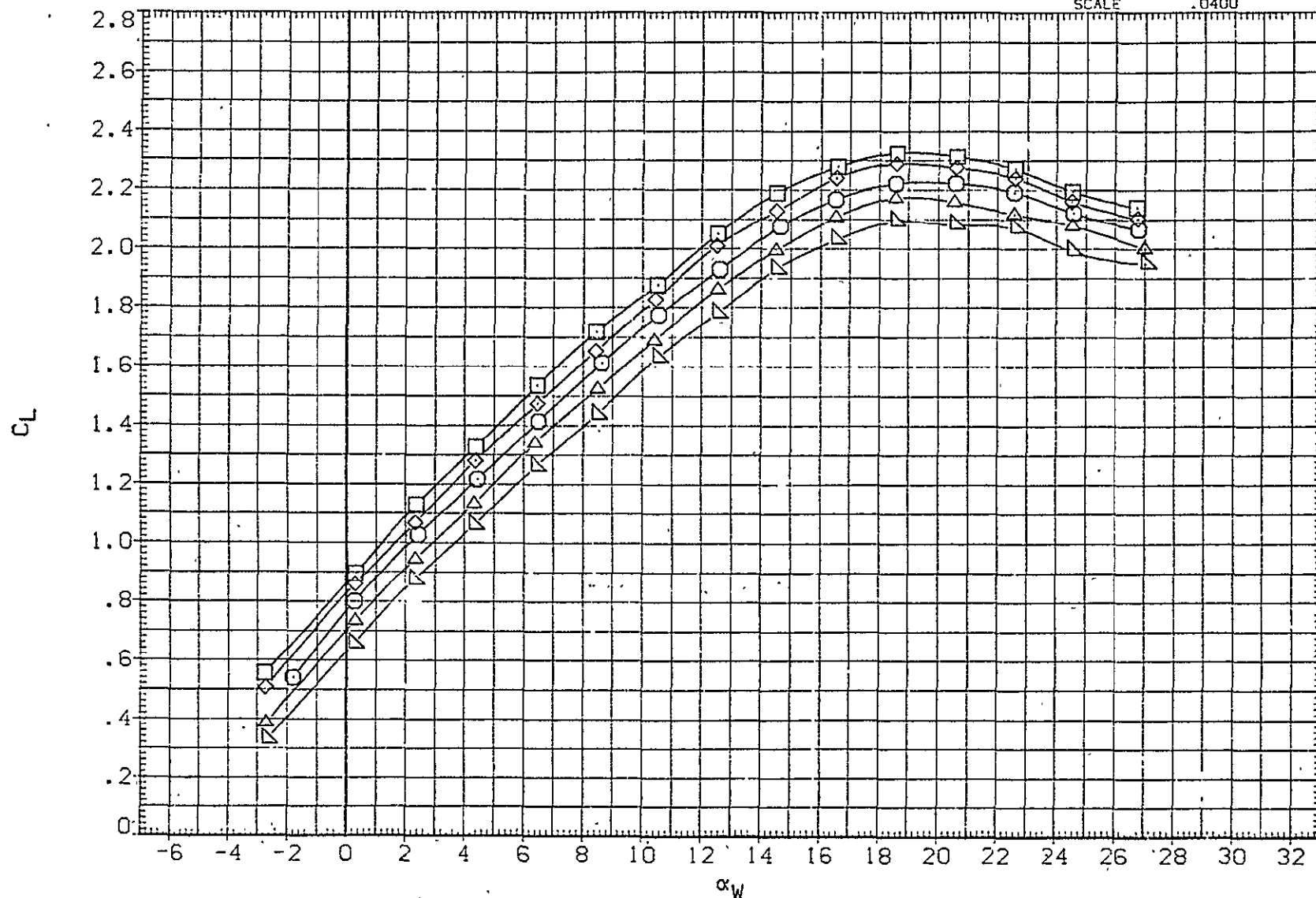


FIG 19 FERRY CONFIG. ELEVATOR EFFECTIVENESS, FLAPS 30, IORB=3, TC ON, ELEV=0
MAIN BALANCE DATA-ALPHA SWEEPS

(A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BETA	REFERENCE INFORMATION		
(RJF037)	○	(CA-8) K2V9.1.2TS5F30H15.6.165.3.5TS401	.000	-4.000	.000	SREF	5500.0000	SQ.FT.
(RJF039)	□	(CA-8) K2V9.1.2TS5F30H15.6.165.3.5TS401	17.000	-4.000	.000	LPEF	327.8000	IN.
(RJF040)	◇	(CA-8) K2V9.1.2TS5F30H15.6.165.3.5TS401	10.000	-4.000	.000	BREF	2348.0000	IN.
(RJF041)	△	(CA-8) K2V9.1.2TS5H15.6.1F30G5.3.5TS401	-10.000	-4.000	.000	XMRP	1339.9100	IN.XC
(RJF042)	▽	(CA-8) K2V9.1.2TS5H15.6.1F30G5.3.5TS401	-23.000	-4.000	.000	YMRP	.0000	IN.YC
						ZMRP	190.7500	IN.ZC
						SCALE	.0400	

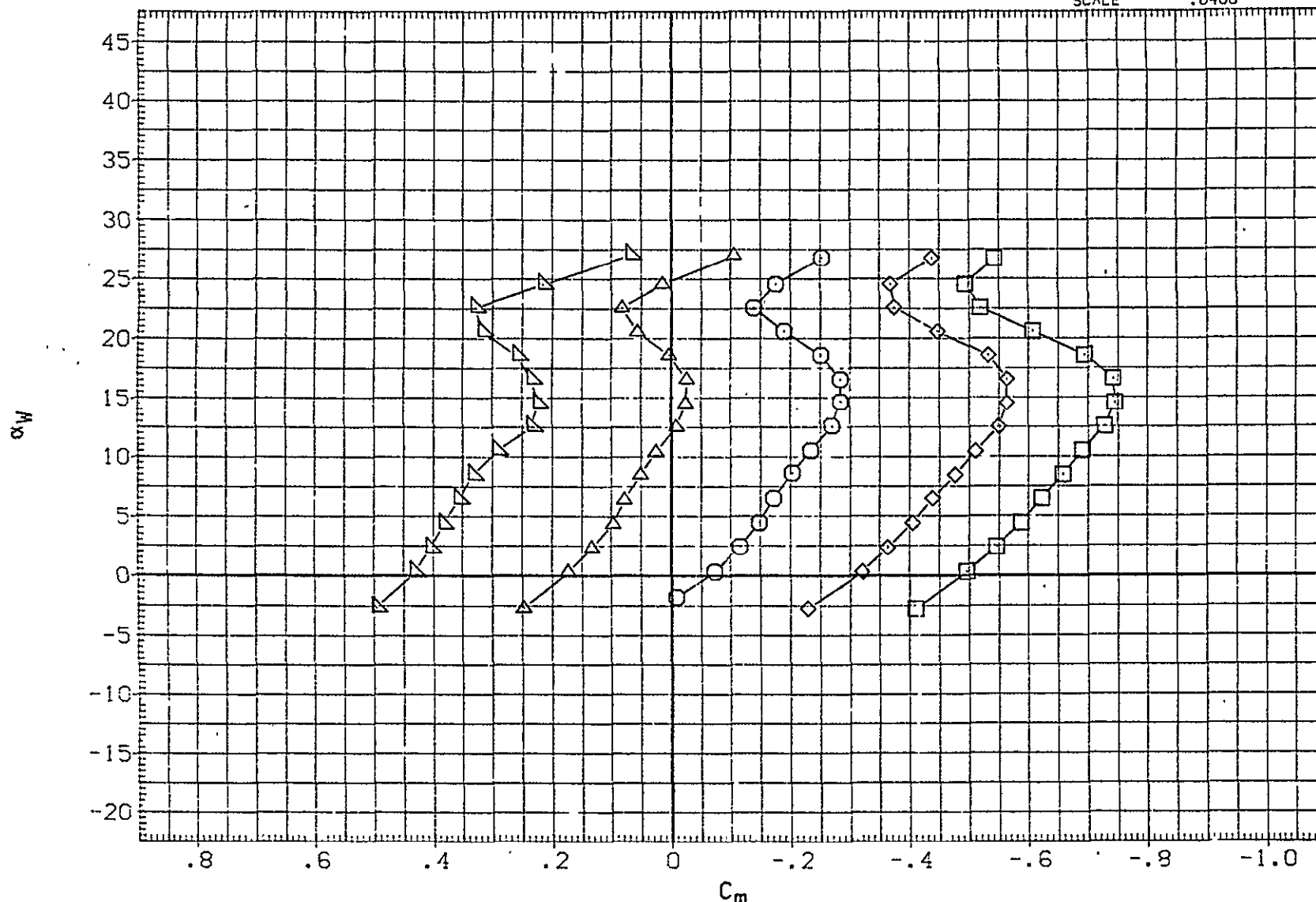


FIG 19 FERRY CONFIG. ELEVATOR EFFECTIVENESS, FLAPS 30, 10RB=3, TC ON, ELEV=0
MAIN BALANCE DATA-ALPHA SWEEPS

(A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BETA	REFERENCE INFORMATION		
(RJF037)	○	(CA-8) K2V9.1.2TS5F30H15.6.1G5.3.5TS401	.000	-4.000	.000	SREF	5500.0000	SQ.FT.
(RJF039)	□	(CA-8) K2V9.1.2TS5F30H15.6.1G5.3.5TS401	17.000	-4.000	.000	LREF	327.8000	IN.
(RJF040)	◇	(CA-8) K2V9.1.2TS5F30H15.6.1G5.3.5TS401	10.000	-4.000	.000	BREF	2348.0000	IN.
(RJF041)	△	(CA-8) K2V9.1.2TS5H15.6.1F30G5.3.5TS401	-10.000	-4.000	.000	XMRP	1339.9100	IN.XC
(RJF042)	▽	(CA-8) K2V9.1.2TS5H15.6.1F30G5.3.5TS401	-23.000	-4.000	.000	YMRP	.0000	IN.YC
						ZMRP	190.7500	IN.ZC
						SCALE	.0400	

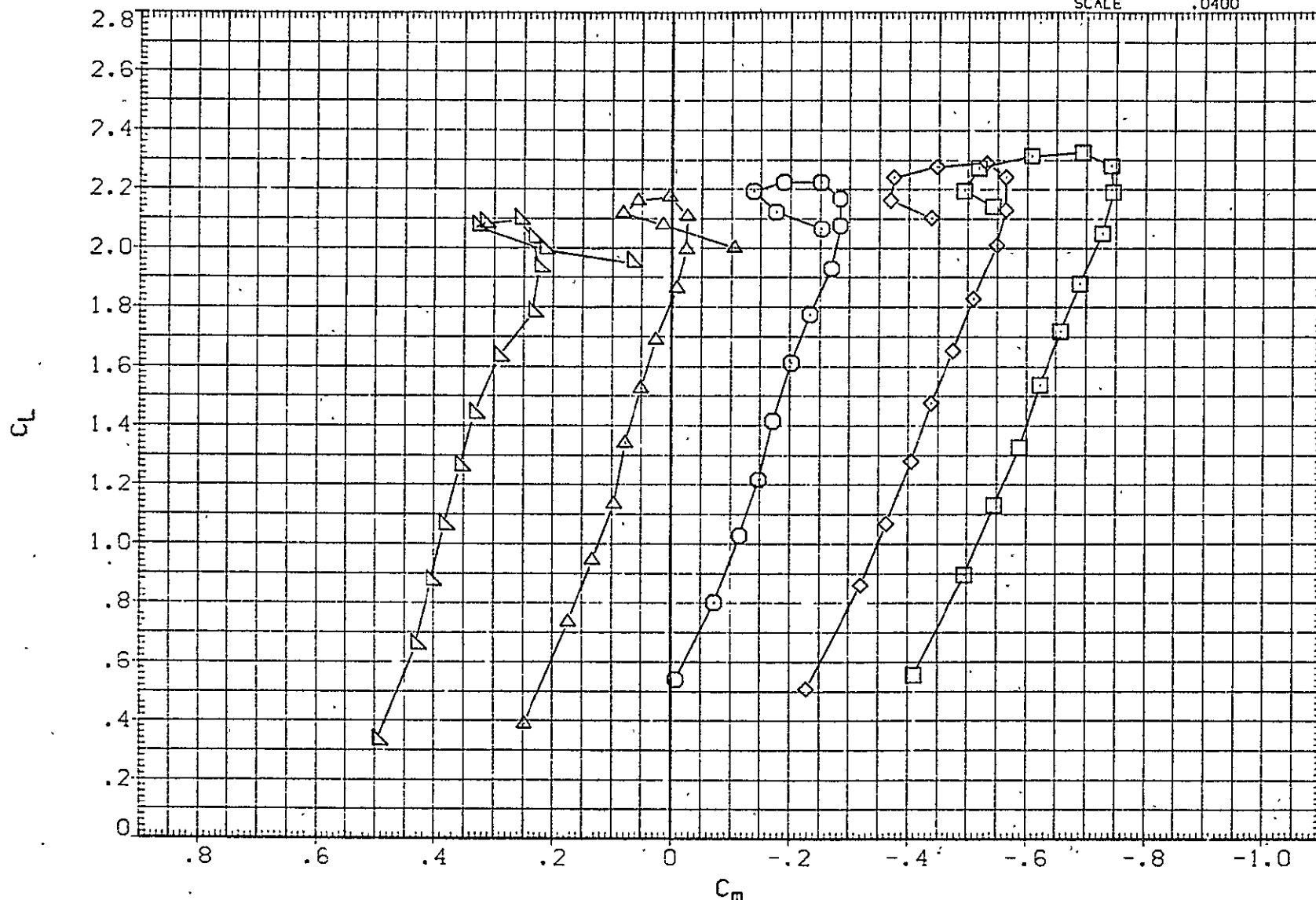


FIG 19 FERRY CONFIG. ELEVATOR EFFECTIVENESS, FLAPS 30, IORB=3, TC ON, ELEV=0
MAIN BALANCE DATA-ALPHA SWEEPS

(A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BETA	REFERENCE INFORMATION		
(RJF037)	○	(CA-8) K2V9.1.2TS5F30H15.6.1G5.3.5TS401	.000	-4.000	.000	SREF	5500.0000	SQ.FT.
(RJF039)	□	(CA-8) K2V9.1.2TS5F30H15.6.1G5.3.5TS401	17.000	-4.000	.000	LREF	327.8000	IN.
(RJF040)	◇	(CA-8) K2V9.1.2TS5F30H15.6.1G5.3.5TS401	10.000	-4.000	.000	BREF	2348.0000	IN.
(RJF041)	△	(CA-8) K2V9.1.2TS5H15.6.1F30G5.3.5TS401	-10.000	-4.000	.000	XMRP	1339.9100	IN.XC
(RJF042)	▽	(CA-8) K2V9.1.2TS5H15.6.1F30G5.3.5TS401	-23.000	-4.000	.000	YMRP	.0000	IN.YC
						ZMRP	190.7500	IN.ZC
						SCALE	.0400	

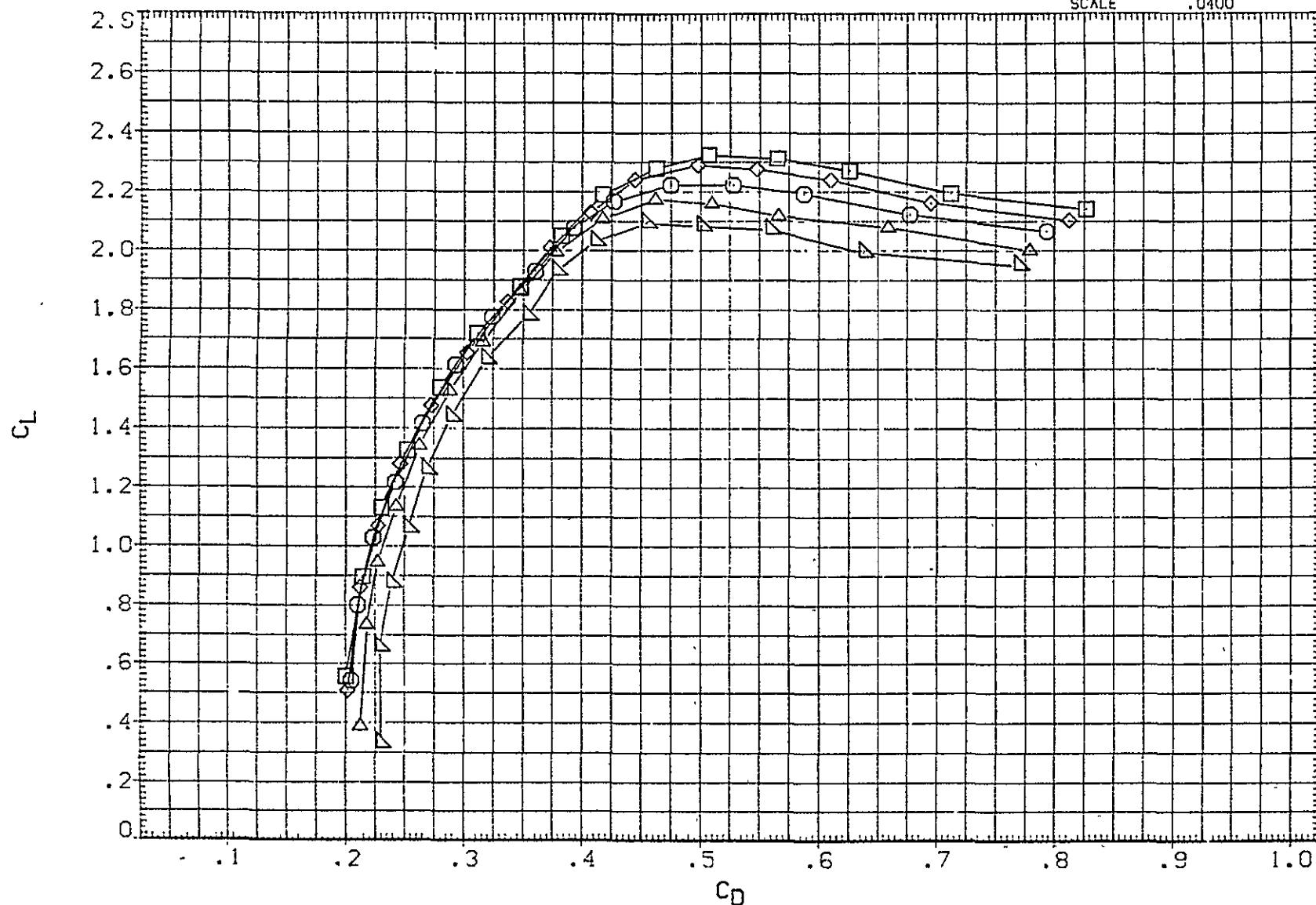


FIG 19 FERRY CONFIG. ELEVATOR EFFECTIVENESS, FLAPS 30, IORB=3, TC ON, ELEV=0
MAIN BALANCE DATA-ALPHA SWEEPS

(A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RJF129)	○	(CA-8) K3V9.1.2TS6 FOTS401
(RJF126)	□	(CA-8) K3V9.1.2TS6H15.6.1FOTS401
(RJF127)	◇	(CA-8) K3V9.1.2TS6H15.6.1FOTS401
(RJF128)	△	(CA-8) K3V9.1.2TS6H15.6.1FOTS401

ELEVTR	STAB	BETA
.000	-4.000	.000
.000	-2.000	.000
.000	.000	.000

REFERENCE INFORMATION		
SREF	5500.0000	SG.FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMRP	1339.9100	IN.XC
YMRP	.0000	IN.YC
ZMRP	190.7500	IN.ZC
SCALE	.0400	

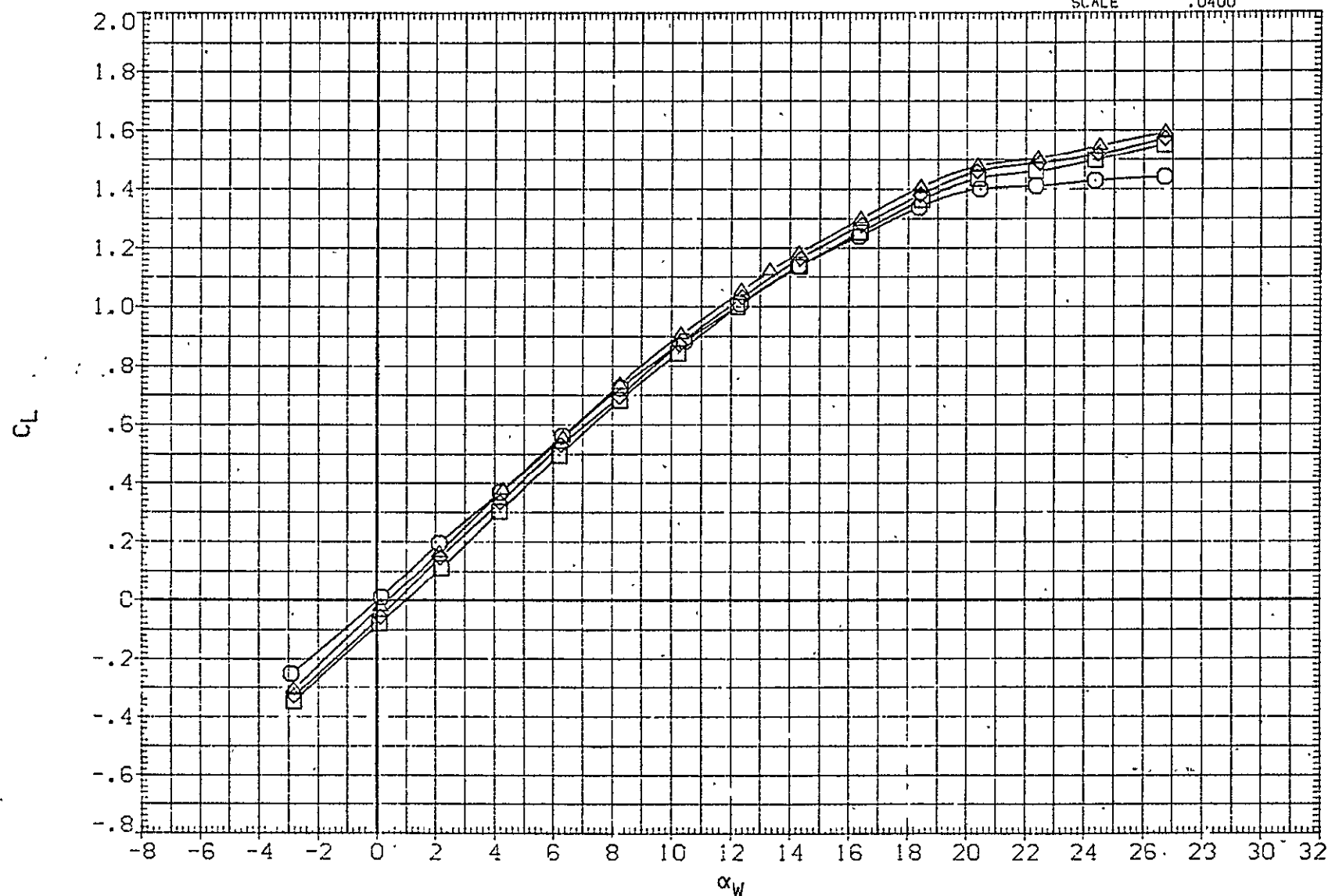


FIG 20 ALT CONFIG. STABILIZER EFFECTIVENESS, FLAPS UP, IORB=6, TC ON, ELEV=0
MAIN BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RJF129)	○	(CA-8) K3V9.1.2T56 FOTS401
(RJF126)	□	(CA-8) K3V9.1.2T56H15.6.1FOTS401
(RJF127)	◇	(CA-8) K3V9.1.2T56H15.6.1FOTS401
(RJF128)	△	(CA-8) K3V9.1.2T56H15.6.1FOTS401

ELEVTR	STAB	BETA
.000	-4.000	.000
.000	-2.000	.000
.000	.000	.000

REFERENCE INFORMATION		
SREF	5500.0000	50.FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMRF	1339.9100	IN. XC
YMRF	.0000	IN. YC
ZMRF	190.7500	IN. ZC
SCALE	.0400	

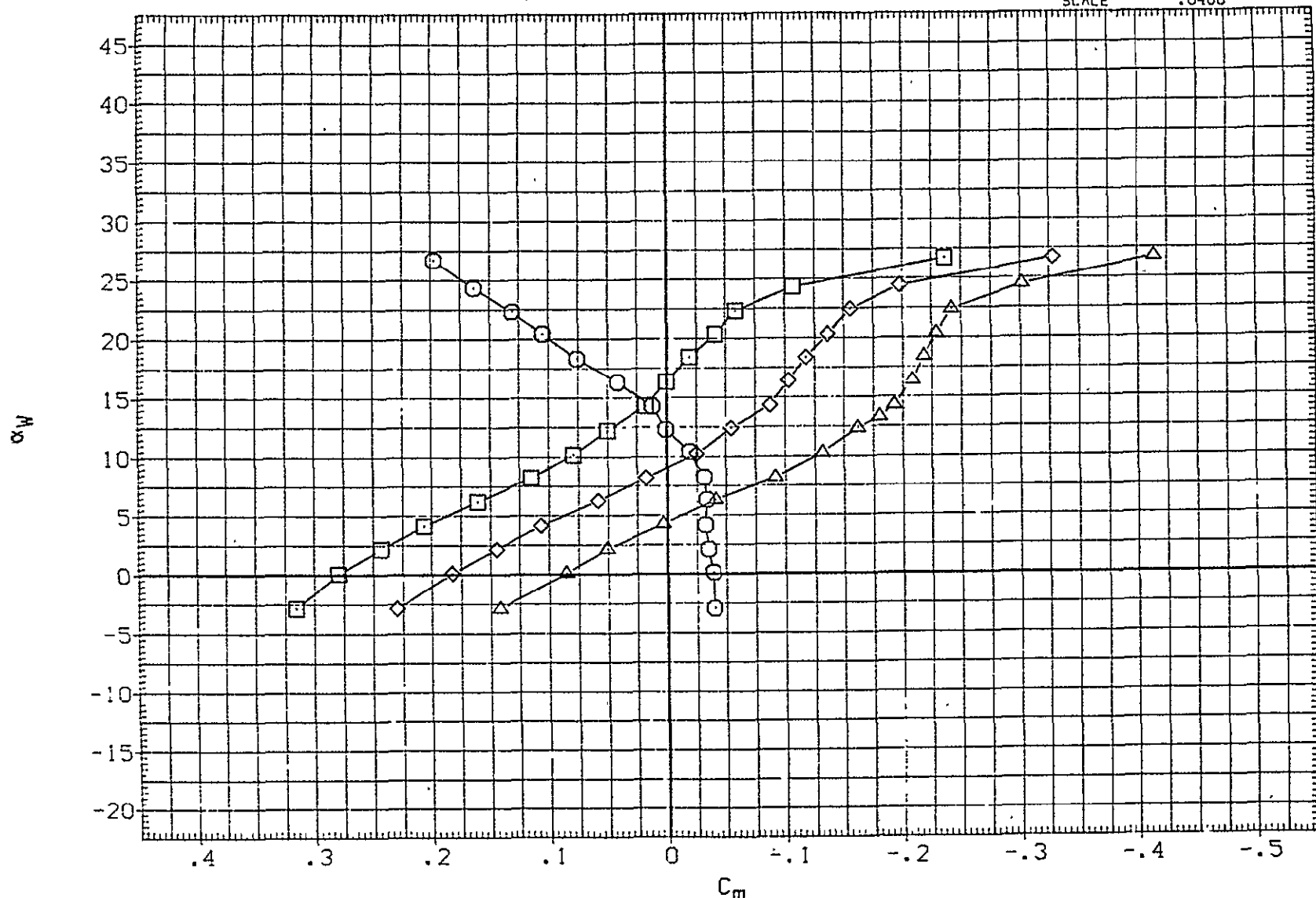


FIG 20 ALT CONFIG. STABILIZER EFFECTIVENESS, FLAPS UP, IORB=6, TC ON, ELEV=0
MAIN BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

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DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RJF129)	○	(CA-8) K3V9.1.2TS6 FOTS401
(RJF126)	□	(CA-8) K3V9.1.2TS6H15.6.1FOTS401
(RJF127)	◇	(CA-8) K3V9.1.2TS6H15.6.1FOTS401
(RJF128)	△	(CA-8) K3V9.1.2TS6H15.6.1FOTS401

ELEVTR	STAB	BETA
.000	-4.000	.000
.000	-2.000	.000
.000	.000	.000

REFERENCE INFORMATION		
SREF	5500.0000	50. FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMRP	1339.9100	IN. XC
YMRP	.0000	IN. YC
ZMRP	190.7500	IN. ZC
SCALE	.0400	

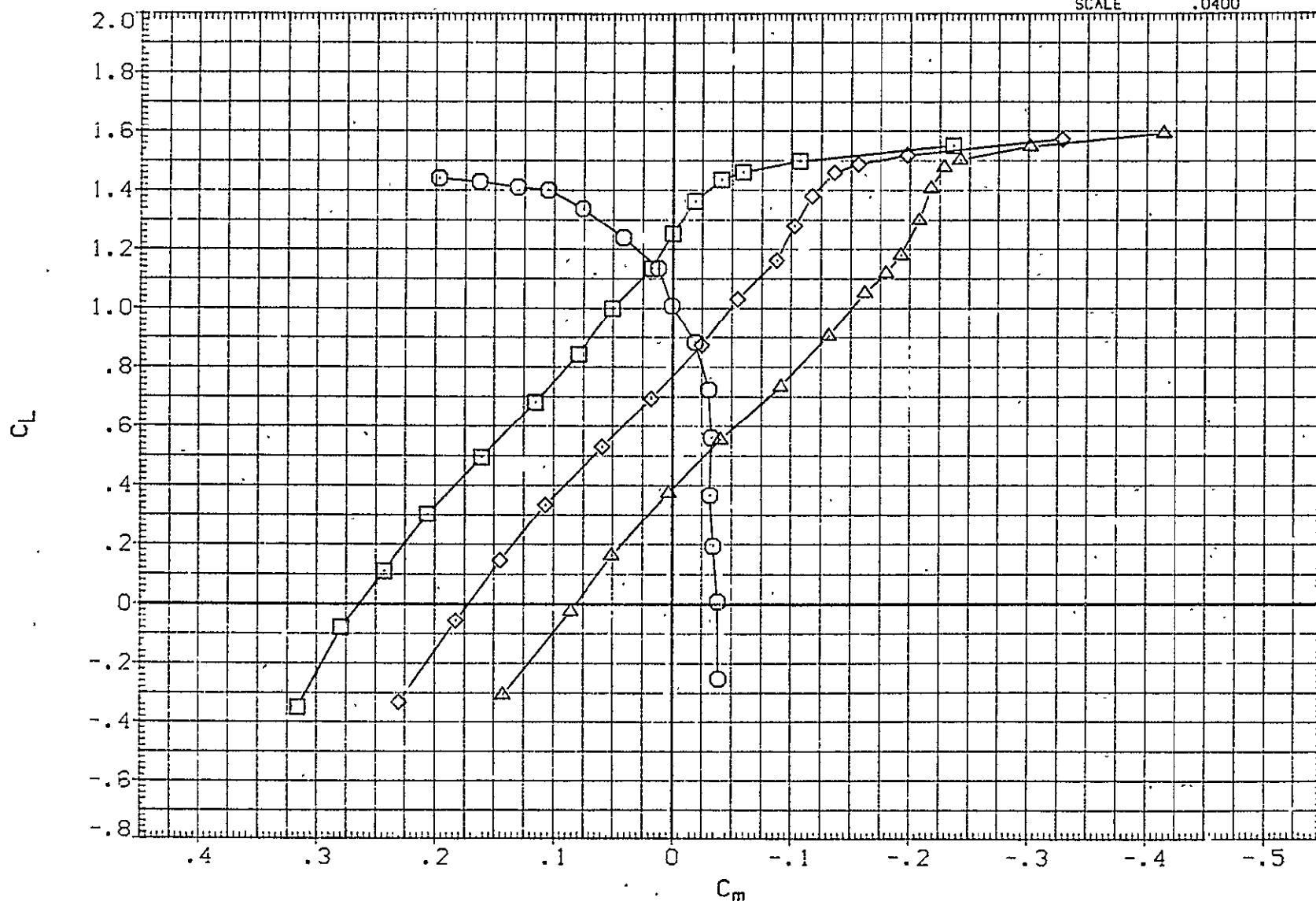


FIG 20 ALT CONFIG. STABILIZER EFFECTIVENESS, FLAPS UP, IORB=6, TC ON, ELEV=0
MAIN BALANCE DATA-ALPHA SWEEPS

(A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BETA	REFERENCE INFORMATION		
(RJF129)	○	(CA-8) K3V9.1.2TS6 FOTS401			.000	SREF	5500.0000	SQ.FT.
(RJF126)	□	(CA-8) K3V9.1.2TS6H15.6.1FOTS401	.000	-4.000	.000	LREF	327.8000	IN.
(RJF127)	◇	(CA-8) K3V9.1.2TS6H15.6.1FOTS401	.000	-2.000	.000	BREF	2348.0000	IN.
(RJF128)	△	(CA-8) K3V9.1.2TS6H15.6.1FOTS401	.000	.000	.000	XMRP	1339.9100	IN. XC
						YMRP	.0000	IN. YC
						ZMRP	190.7500	IN. ZC
						SCALE	.0400	

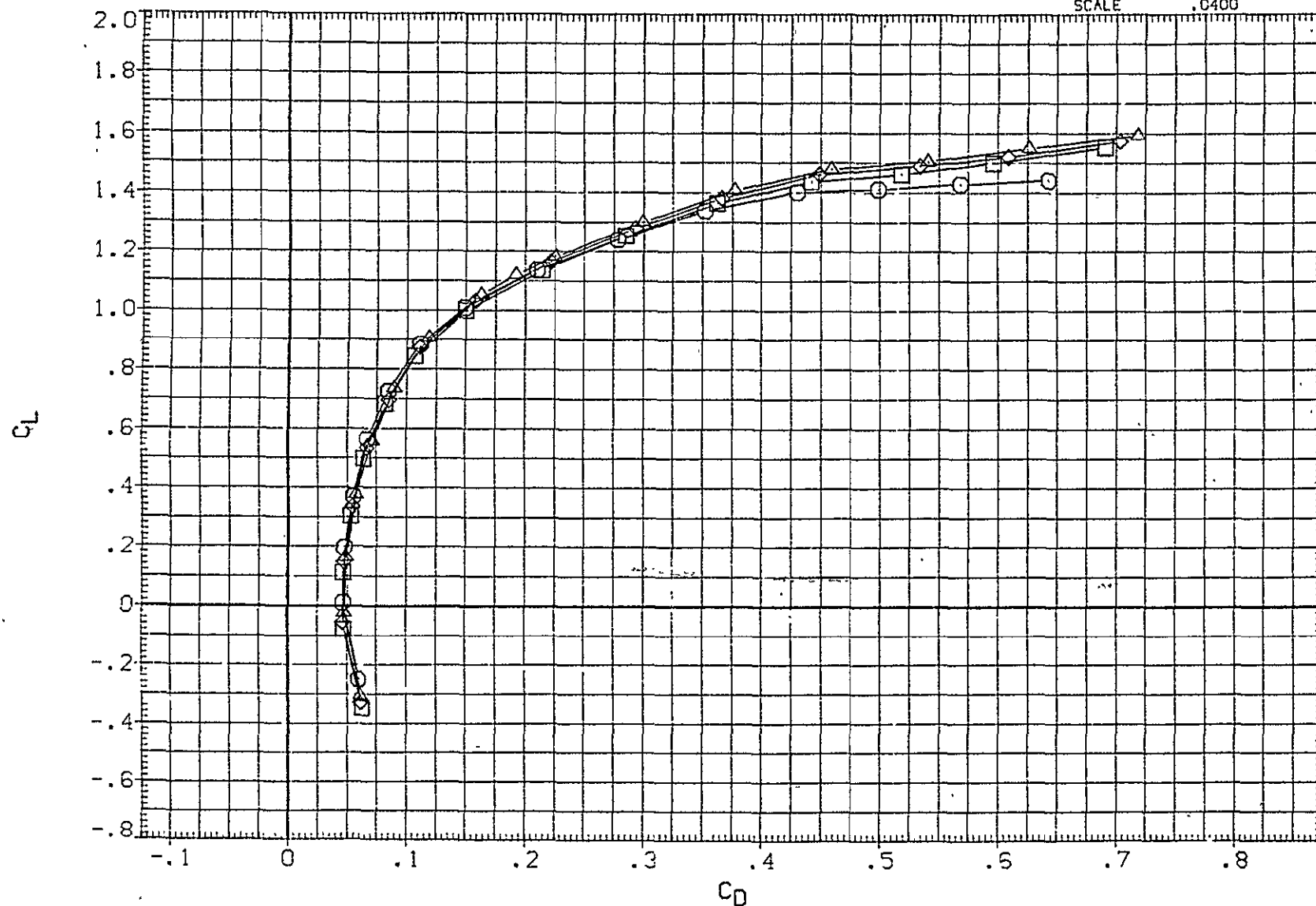


FIG 20 ALT CONFIG. STABILIZER EFFECTIVENESS, FLAPS UP, IORB=6, TC ON, ELEV=0
MAIN BALANCE DATA-ALPHA SWEEPS

(A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BETA	REFERENCE INFORMATION		
(PJF085)	○	(CA-8) K3V9.1.2T55 F20TS401			.300	SREF	5500.0000	50.FT.
(RJF082)	□	(CA-8) K3V9.1.2T55H15.6.1F20TS401	.000	-4.000	.300	LREF	327.8000	IN.
(RJF083)	◇	(CA-8) K3V9.1.2T55H15.6.1F20TS401	.000	-2.000	.300	BREF	2348.0000	IN.
(RJF084)	△	(CA-8) K3V9.1.2T55H15.6.1F20TS401	.000	.000	.300	XMRP	1339.9100	IN.XC
						YMRP	.0000	IN.YC
						ZMRP	190.7500	IN.ZC
						SCALE	.0400	

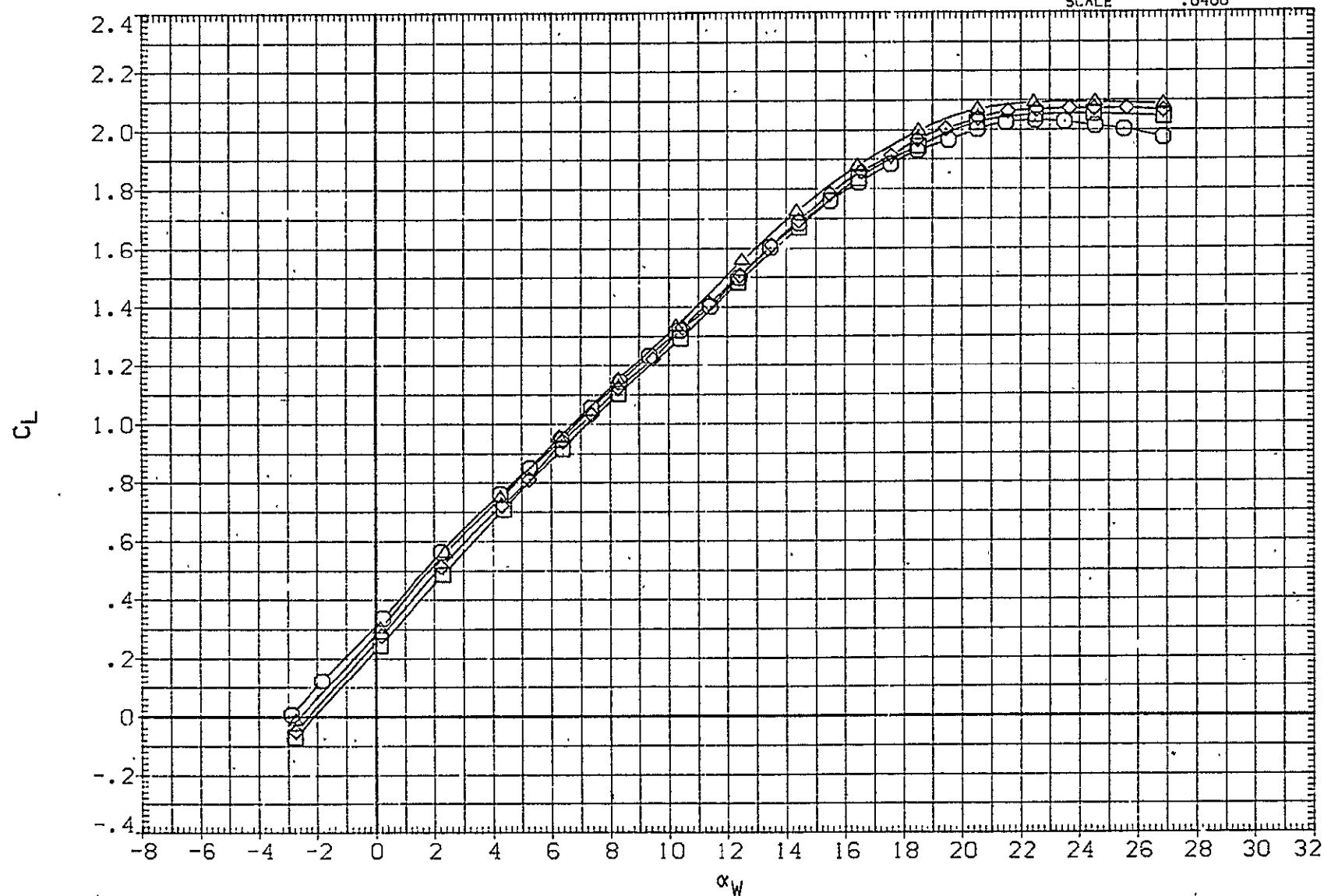


FIG 21 ALT CONFIG. STABILIZER EFFECTIVENESS, FLAPS 20, IORB=6, TC ON, ELEV=-5
MAIN BALANCE DATA-ALPHA SWEEPS

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BETA	REFERENCE INFORMATION		
(RJF085)	○	(CA-8) K3V9.1.2TS5 F20TS401			.000	SREF	5500.0000	50. FT.
(RJF082)	□	(CA-8) K3V9.1.2TS5H15.6.1F20TS401	.000	-4.000	.000	LREF	327.8000	IN.
(RJF083)	◇	(CA-8) K3V9.1.2TS5H15.6.1F20TS401	.000	-2.000	.000	BREF	2348.0000	IN.
(RJF084)	△	(CA-8) K3V9.1.2TS5H15.6.1F20TS401	.000	.000	.000	XMRP	1339.9100	IN. XC
						YMRP	.0000	IN. YC
						ZMRP	190.7500	IN. ZC
						SCALE	.0400	

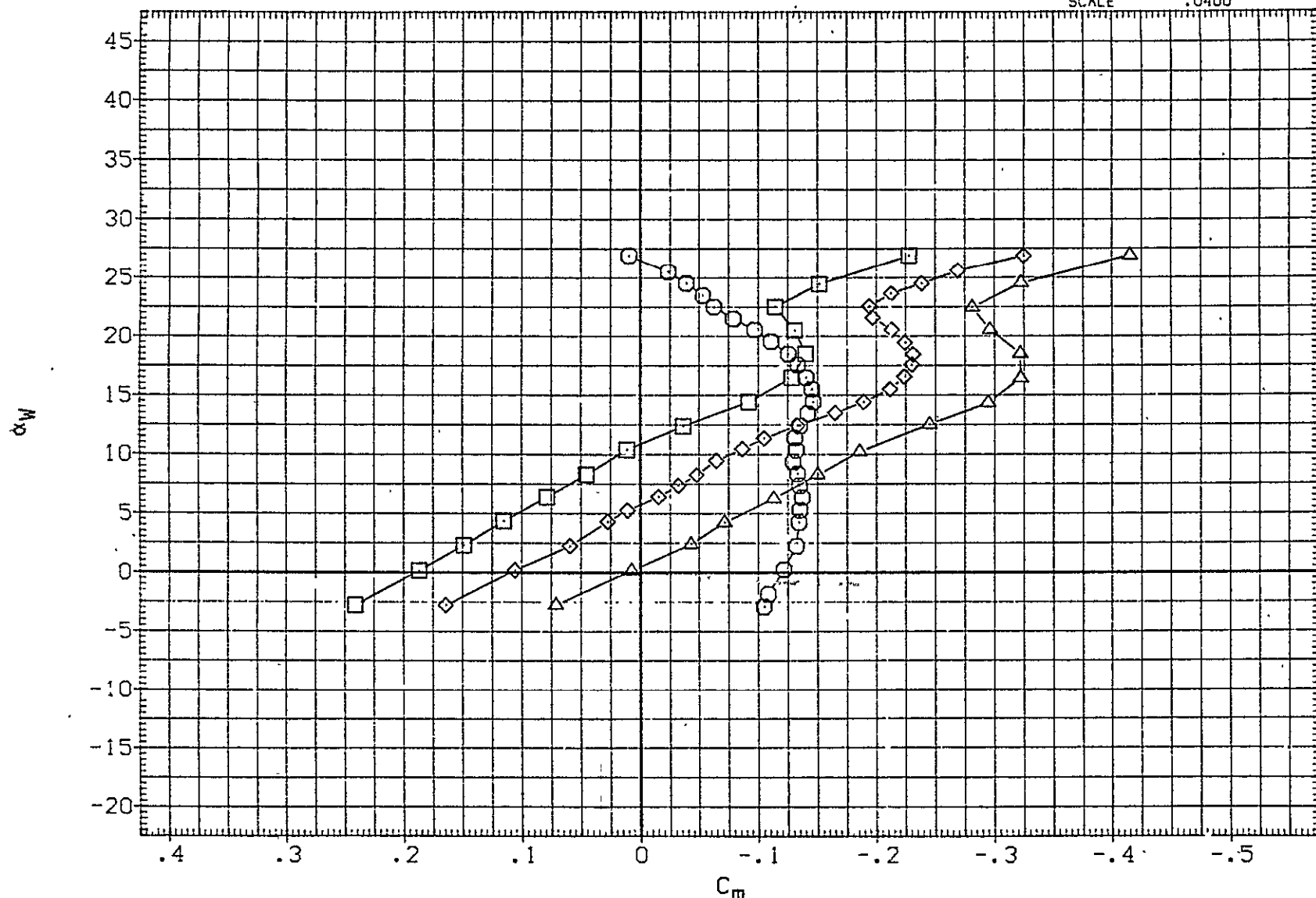


FIG 21 ALT CONFIG. STABILIZER EFFECTIVENESS, FLAPS 20, IORB=6. TC ON, ELEV=-5
MAIN BALANCE DATA-ALPHA SWEEPS

(A) MACH = .15

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DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BETA	REFERENCE INFORMATION		
(RJF085)	○	(CA-8) K3V9.1.2TS5 F20TS401	.000	-4.000	.000	SREF	5500.0000	SQ.FT.
(RJF082)	□	(CA-8) K3V9.1.2TS5H15.6.1F20TS401	.000	-4.000	.000	LREF	327.8000	IN.
(RJF083)	◇	(CA-8) K3V9.1.2TS5H15.6.1F20TS401	.000	-2.000	.000	BREF	2348.0000	IN.
(RJF084)	△	(CA-8) K3V9.1.2TS5H15.6.1F20TS401	.000	.000	.000	XMRP	1339.9100	IN.XC
						YMRP	.0000	IN.YC
						ZMRP	190.7500	IN.ZC
						SCALE	.0400	

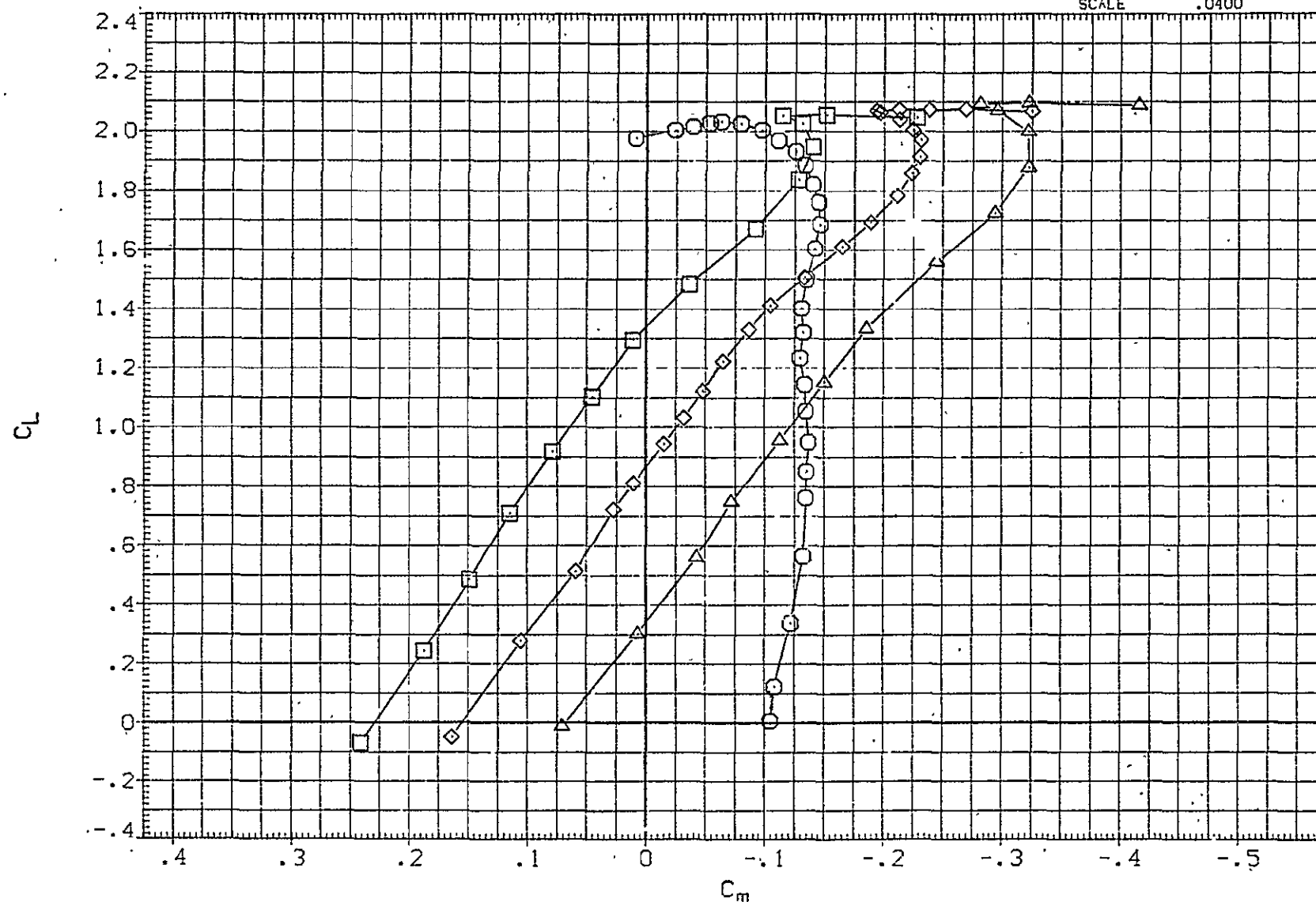


FIG 21 ALT CONFIG. STABILIZER EFFECTIVENESS, FLAPS 20, IORB=6. TC ON, ELEV=-5
MAIN BALANCE DATA-ALPHA SWEEPS

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RJF085)	○	(CA-8) K3V9.1.2TS5 F20TS401
(RJF082)	□	(CA-8) K3V9.1.2TS5H15.6.1F20TS401
(RJF083)	◇	(CA-8) K3V9.1.2TS5H15.6.1F20TS401
(RJF084)	△	(CA-8) K3V9.1.2TS5H15.6.1F20TS401

ELEVTR	STAB	BETA
		.000
.000	-4.000	.000
.000	-2.000	.000
.000	.000	.000

REFERENCE INFORMATION		
SREF	5500.0000	50. FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMPP	1339.9100	IN. XC
YMRP	.0000	IN. YC
ZMRP	190.7500	IN. ZC
SCALE	.0400	

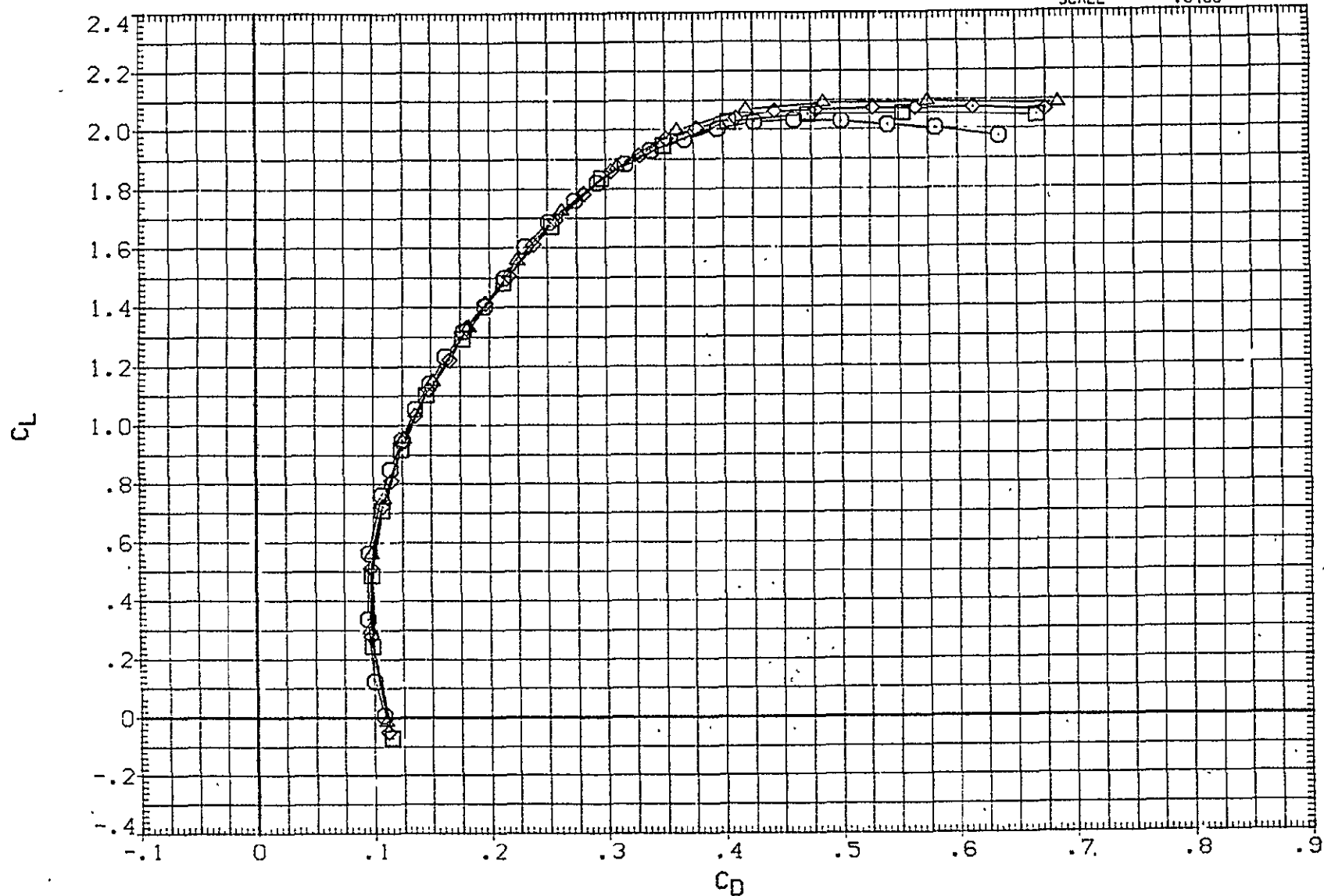


FIG 21 ALT CONFIG. STABILIZER EFFECTIVENESS, FLAPS 20. ICRB=6. TC ON. ELEV=-5
MAIN BALANCE DATA-ALPHA SWEEPS

(A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BETA	REFERENCE INFORMATION		
(RJF044)	○	(CA-8) K3V9.1.2TSS F30G5.3.5TS401			.000	SREF	5500.0000	SQ.FT.
(RJF047)	□	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	.000	3.000	.000	LREF	.327.8000	IN.
(RJF046)	◇	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	.000	.000	.000	BREF	2348.0000	IN.
(RJF048)	△	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	.000	-2.000	.000	XMRP	1339.9100	IN.XC
(PJF045)	▽	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	.000	-4.000	.000	YMRP	.0000	IN.YC
						ZMRP	190.7500	IN.ZC
						SCALE	.0400	

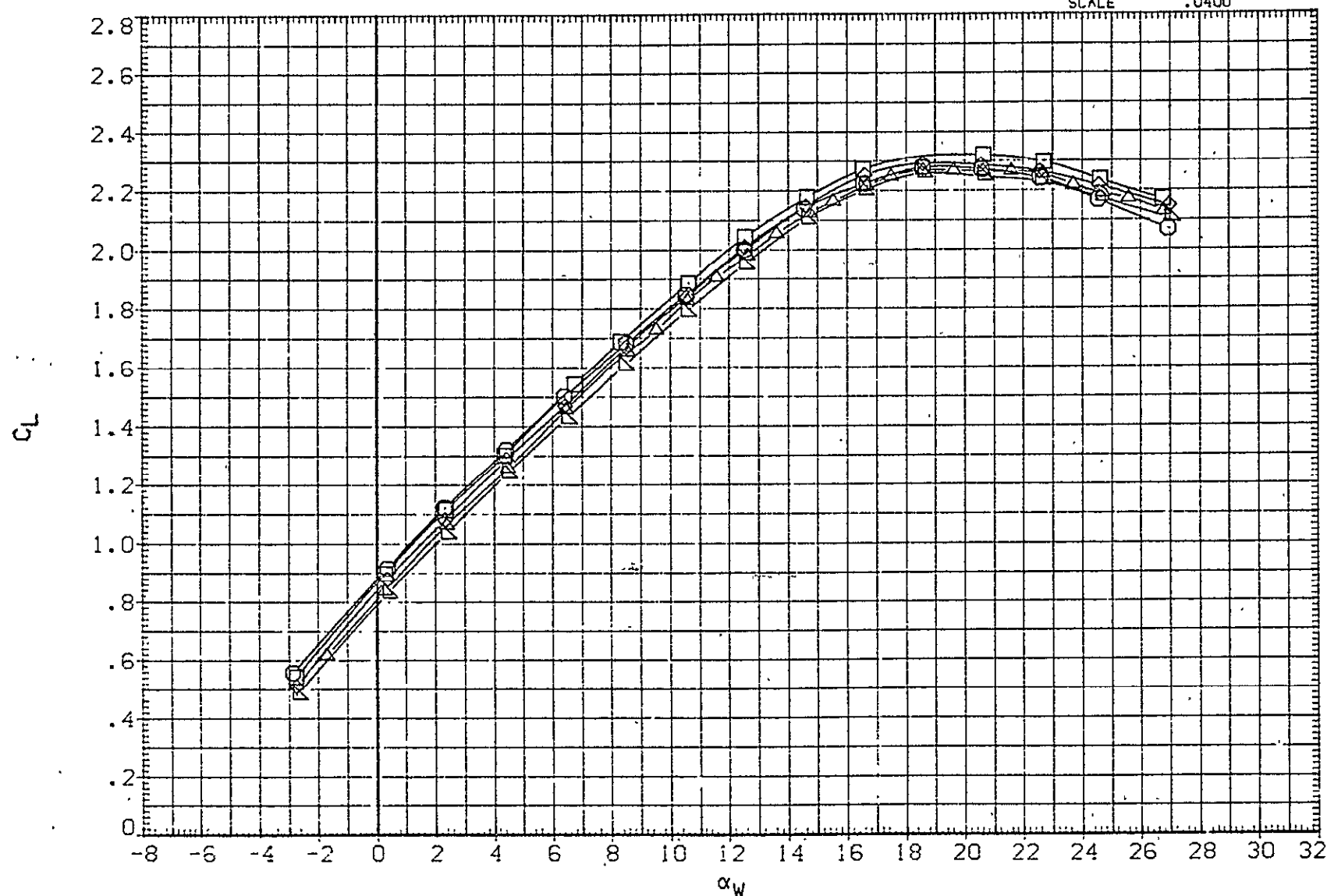


FIG 22 ALT CONFIG. STABILIZER EFFECTIVENESS, FLAPS 30, IORB=6, TC ON, ELEV=0
MAIN BALANCE DATA-ALPHA SWEEPS

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BETA	REFERENCE INFORMATION		
(RJF044)	○	(CA-8) K3V9.1.2TS5 F30G5.3.5TS401			.000	SREF	5500.0000	50.FT.
(RJF047)	□	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	.000	3.000	.000	LPEF	327.8000	IN.
(RJF046)	◇	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	.000	.000	.000	BREF	2348.0000	IN.
(RJF048)	△	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	.000	-2.000	.000	XMPP	1339.9100	IN.XC
(RJF045)	▽	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	.000	-4.000	.000	YMRP	.0000	IN.YC
			.000	-4.000	.000	ZMRP	190.7500	IN.ZC
						SCALE	.0400	

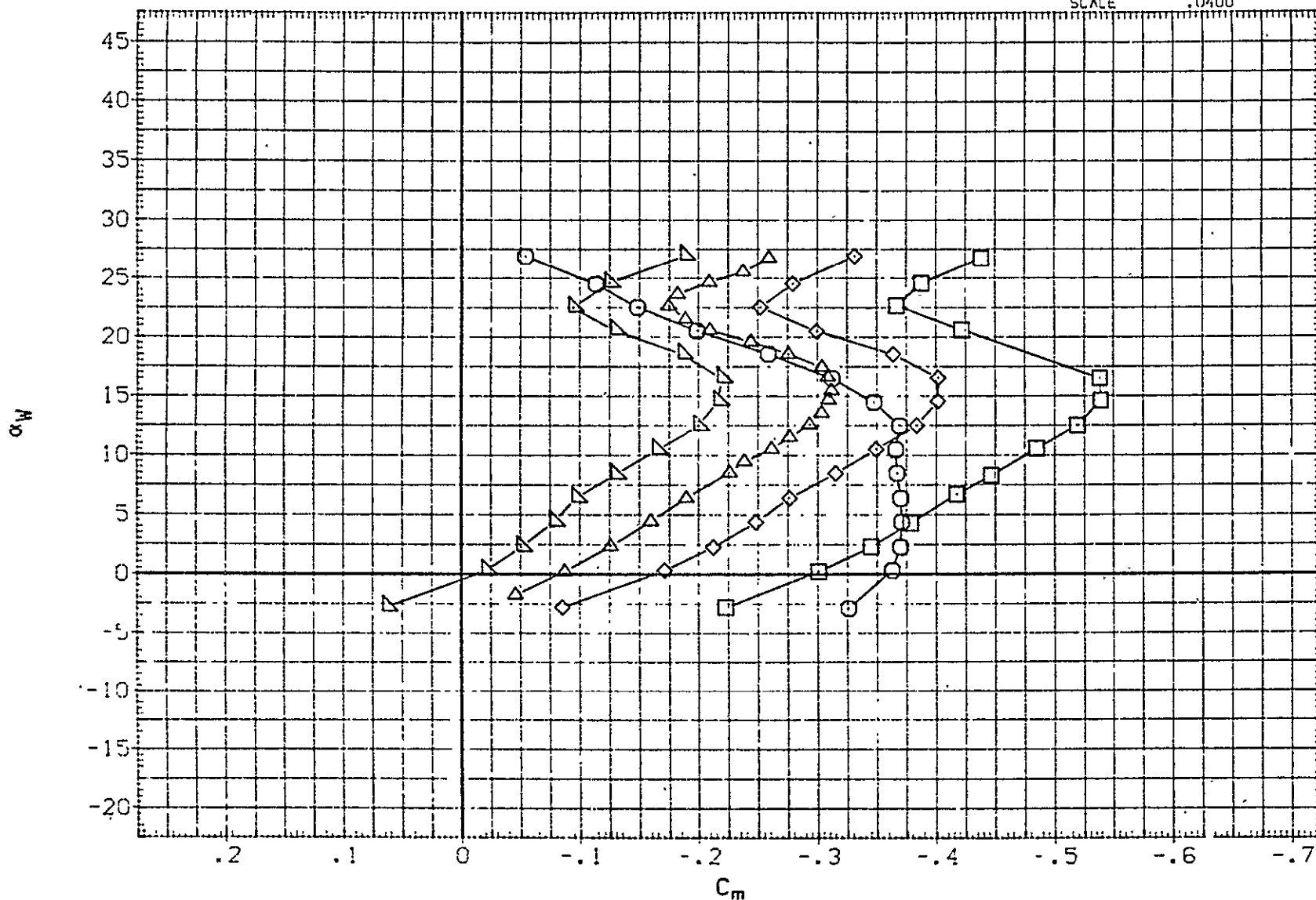


FIG 22 ALT CONFIG. STABILIZER EFFECTIVENESS, FLAPS 30, 10RB=6, TC ON, ELEV=0
MAIN BALANCE DATA-ALPHA SWEEPS

(A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BETA	REFERENCE INFORMATION		
(RJF044)	○	(CA-8) K3V9.1.2TS5 F30G5.3.5TS401			.000	SREF	5500.0000	50.FT.
(RJF047)	□	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	.000	3.000	.000	LREF	327.8000	IN.
(RJF046)	◇	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	.000	.000	.000	BREF	2348.0000	IN.
(RJF048)	△	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	.000	-2.000	.000	XMRP	1339.9100	IN. XC
(RJF045)	▽	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	.000	-4.000	.000	YMRP	.0000	IN. YC
						ZMPP	190.7500	IN. ZC
						SCALE	.0400	

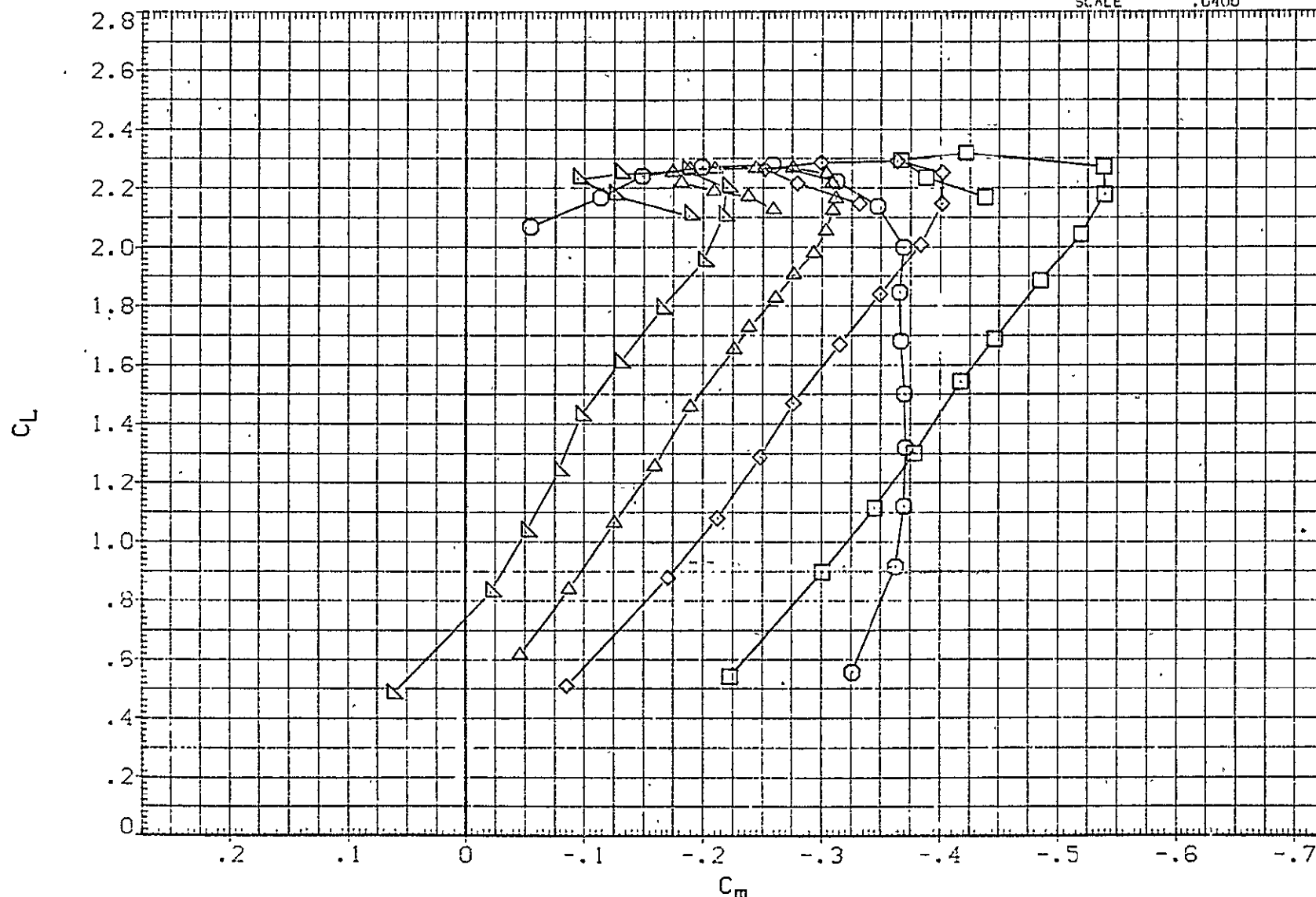


FIG 22 ALT CONFIG. STABILIZER EFFECTIVENESS, FLAPS 30, IORB=6, TC ON, ELEV=0
MAIN BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BETA	REFERENCE INFORMATION		
(PJF044)	○	(CA-8) K3V9.1.2TS5 F30G5.3.5TS401			.000	SREF	5500.0000	50.FT.
(PJF047)	□	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	.000	3.000	.000	LREF	377.8000	IN.
(PJF046)	◇	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	.000	.000	.000	BREF	2346.0000	IN.
(PJF048)	△	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	.000	-2.000	.000	XMHP	1339.9100	IN. XC
(PJF045)	▽	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	.000	-4.000	.000	YMHP	.0000	IN. YC
						ZMHP	190.7500	IN. ZC
						SCALE	.0400	

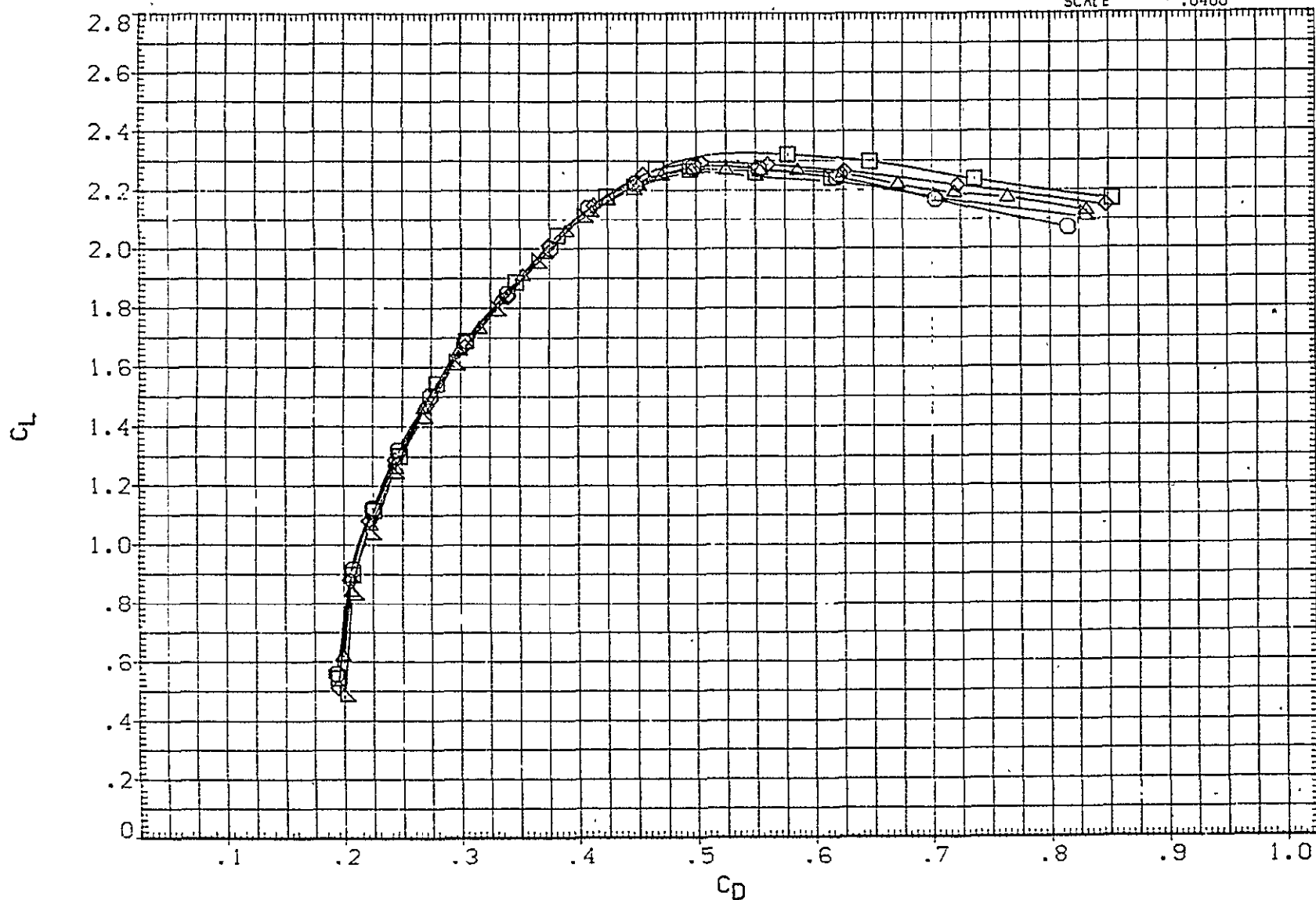


FIG 22 ALT CONFIG. STABILIZER EFFECTIVENESS, FLAPS 30, IORB=6, TC ON, ELEV=0
MAIN BALANCE DATA-ALPHA SWEEPS

(A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BETA	REFERENCE INFORMATION		
(RJF056)	○	(CA-8) K3V9.1.2TS5 F30G5.3.5TS401			.000	SREF	5500.0000	SQ.FT.
(RJF053)	□	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	.000	.000	.000	LREF	327.8000	IN.
(PJF054)	◇	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	.000	-2.000	.000	BREF	2348.0000	IN.
(RJF053)	△	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	.000	-4.000	.000	XMRP	1339.9100	IN.XC
						YMRP	.0000	IN.YC
						ZMRP	190.7500	IN.ZC
						SCALE	.0400	

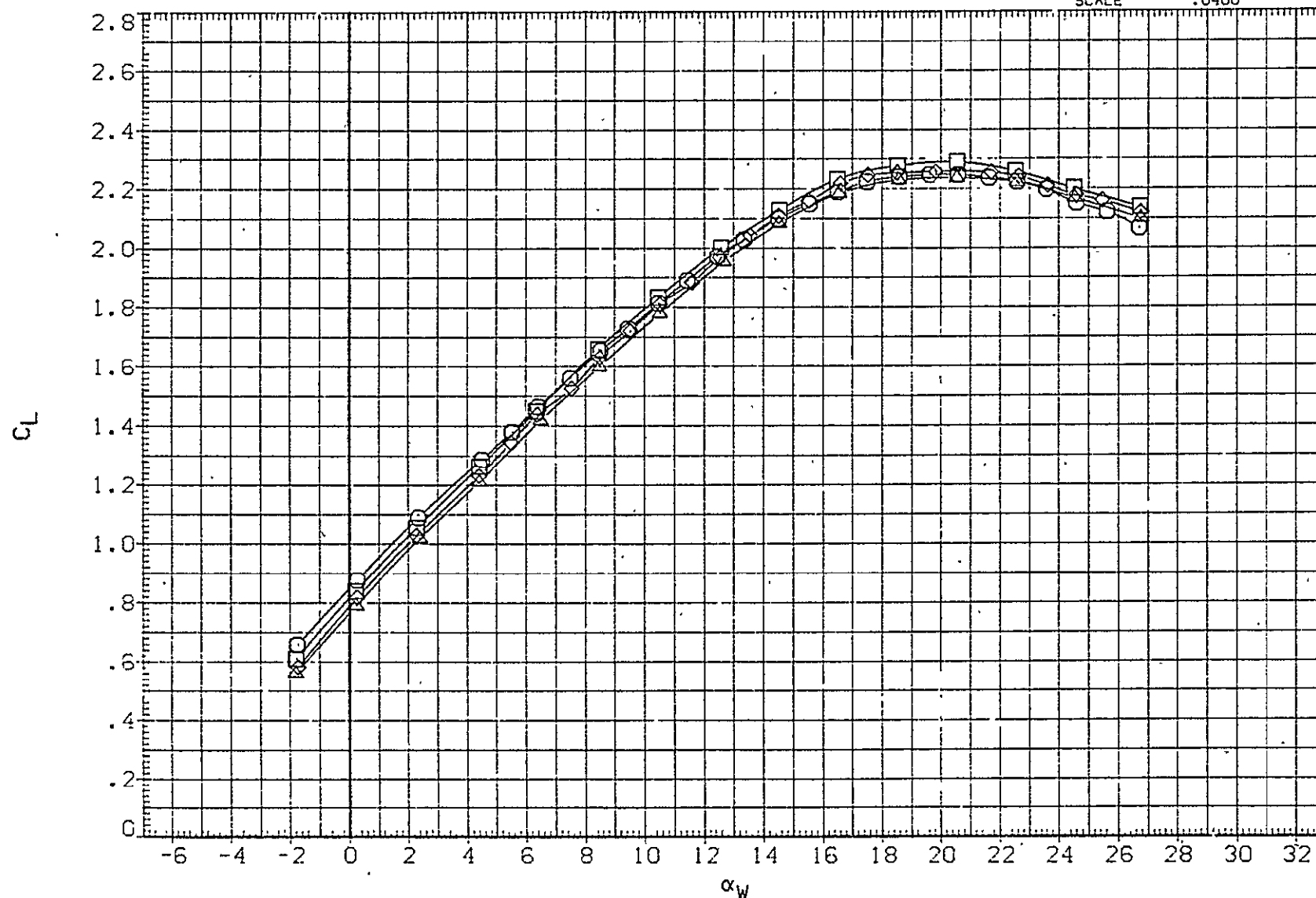


FIG 23 ALT CONFIG. STABILIZER EFFECTIVENESS, FLAPS 30, ICRB=6, TC ON, ELEV=-5
MAIN BALANCE DATA-ALPHA SWEEPS

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(PJF056)	○	(CA-8) K3V9.1.2TS5 F30G5.3.5TS401
(RJF055)	□	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401
(RJF054)	◇	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401
(RJF053)	△	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401

ELEVTR	STAB	BETA
.000	.000	.000
.000	-2.000	.000
.000	-4.000	.000

REFERENCE INFORMATION		
SREF	5500.0000	50.FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMRP	1339.9100	IN.XC
YMRP	.0000	IN.YC
ZMRP	190.7500	IN.ZC
SCALE	.0400	

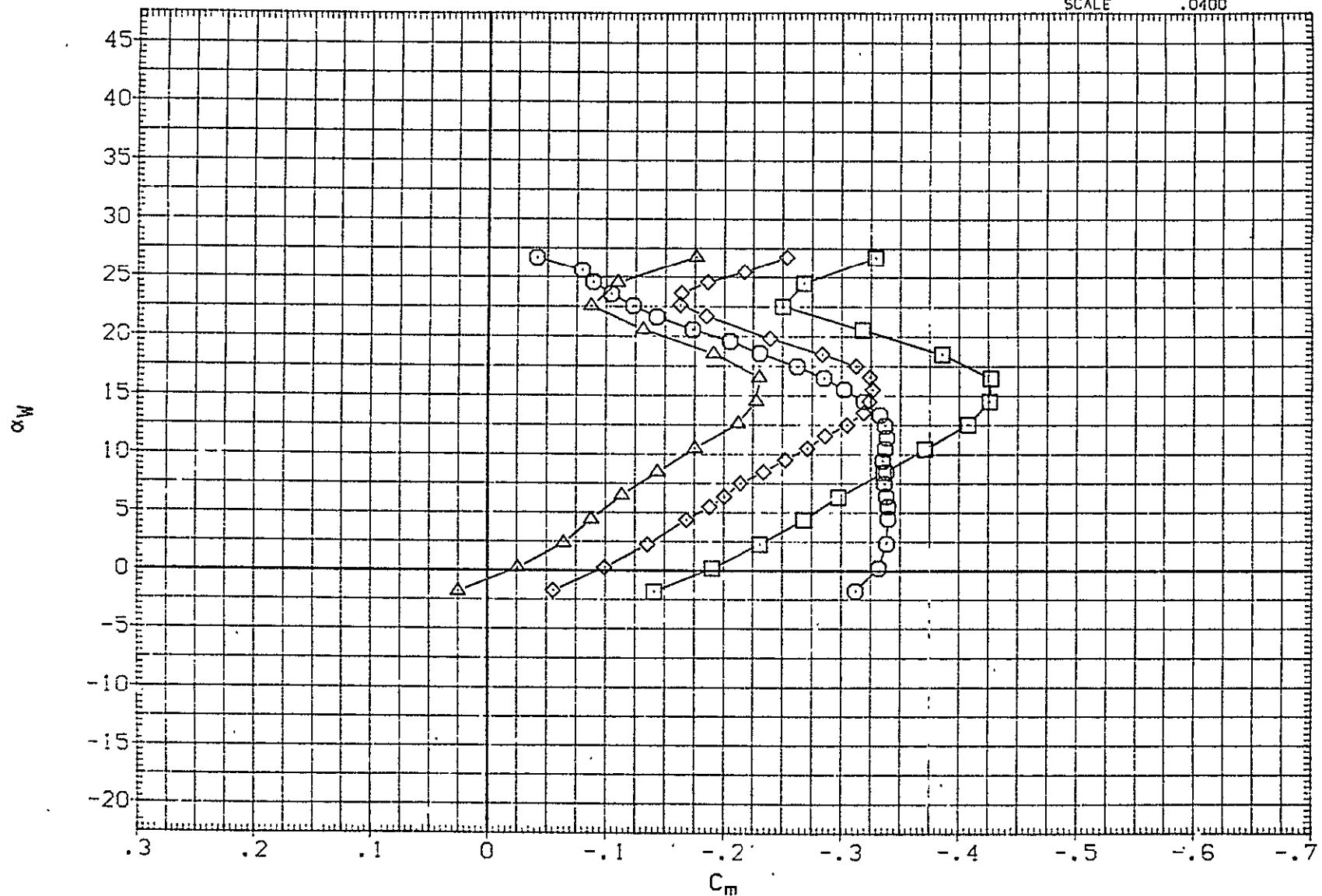


FIG 23 ALT CONFIG. STABILIZER EFFECTIVENESS, FLAPS 30, IORB=6, TC ON, ELEV=-5
MAIN BALANCE DATA-ALPHA SWEEPS

(A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BETA	REFERENCE INFORMATION		
(RJF056)	○	(CA-8) K3V9.1.2TSS F30G5.3.5TS401			.000	SREF	5500.0000	SQ.FT.
(RJF055)	□	(CA-8) K3V9.1.2TSSH15.6.1F30G5.3.5TS401	.000	.000	.000	LREF	327.8000	IN.
(RJF054)	◇	(CA-8) K3V9.1.2TSSH15.6.1F30G5.3.5TS401	.000	-2.000	.000	BREF	2348.0000	IN.
(RJF053)	△	(CA-8) K3V9.1.2TSSH15.6.1F30G5.3.5TS401	.000	-4.000	.000	XMRP	1339.9100	IN.XC
						YMRP	.0000	IN.YC
						ZMRP	190.7500	IN.ZC
						SCALE	.0400	

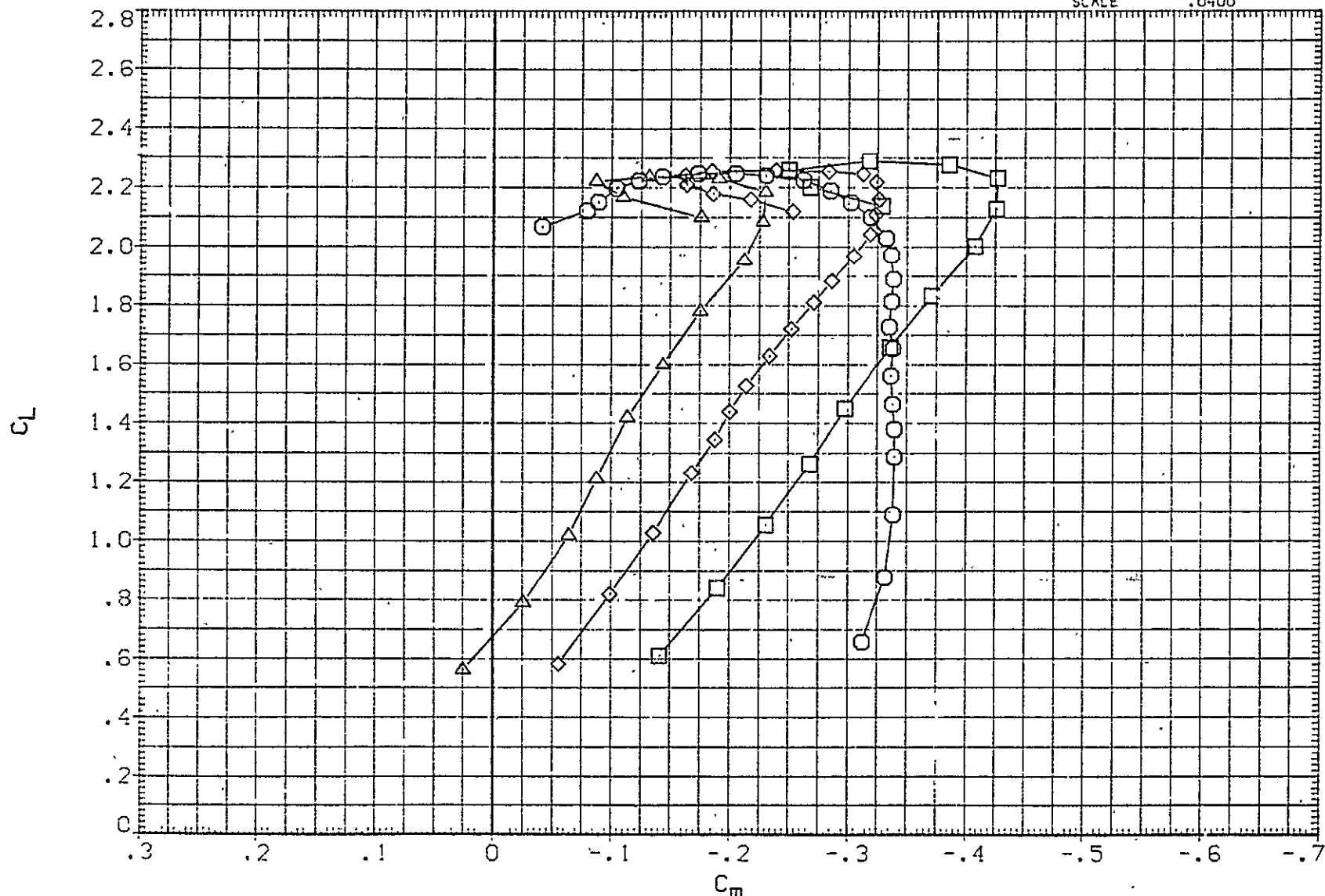


FIG 23 ALT CONFIG. STABILIZER EFFECTIVENESS, FLAPS 30, IORB=6, TC ON, ELEV=-5
MAIN BALANCE DATA-ALPHA SWEEPS

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RJFC56)	○	(CA-8) K3V9.1.2TS5 F30G5.3.5TS401
(RJFC55)	□	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401
(RJF054)	◇	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401
(RJF053)	△	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401

ELEVTR	STAB	BETA
.000	.000	.000
.000	-2.000	.000
.000	-4.000	.000

REFERENCE INFORMATION		
SREF	5500.0000	50. FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMRP	1339.9100	IN. XC
YMRP	.0000	IN. YC
ZMRP	190.7500	IN. ZC
SCALE	.0400	

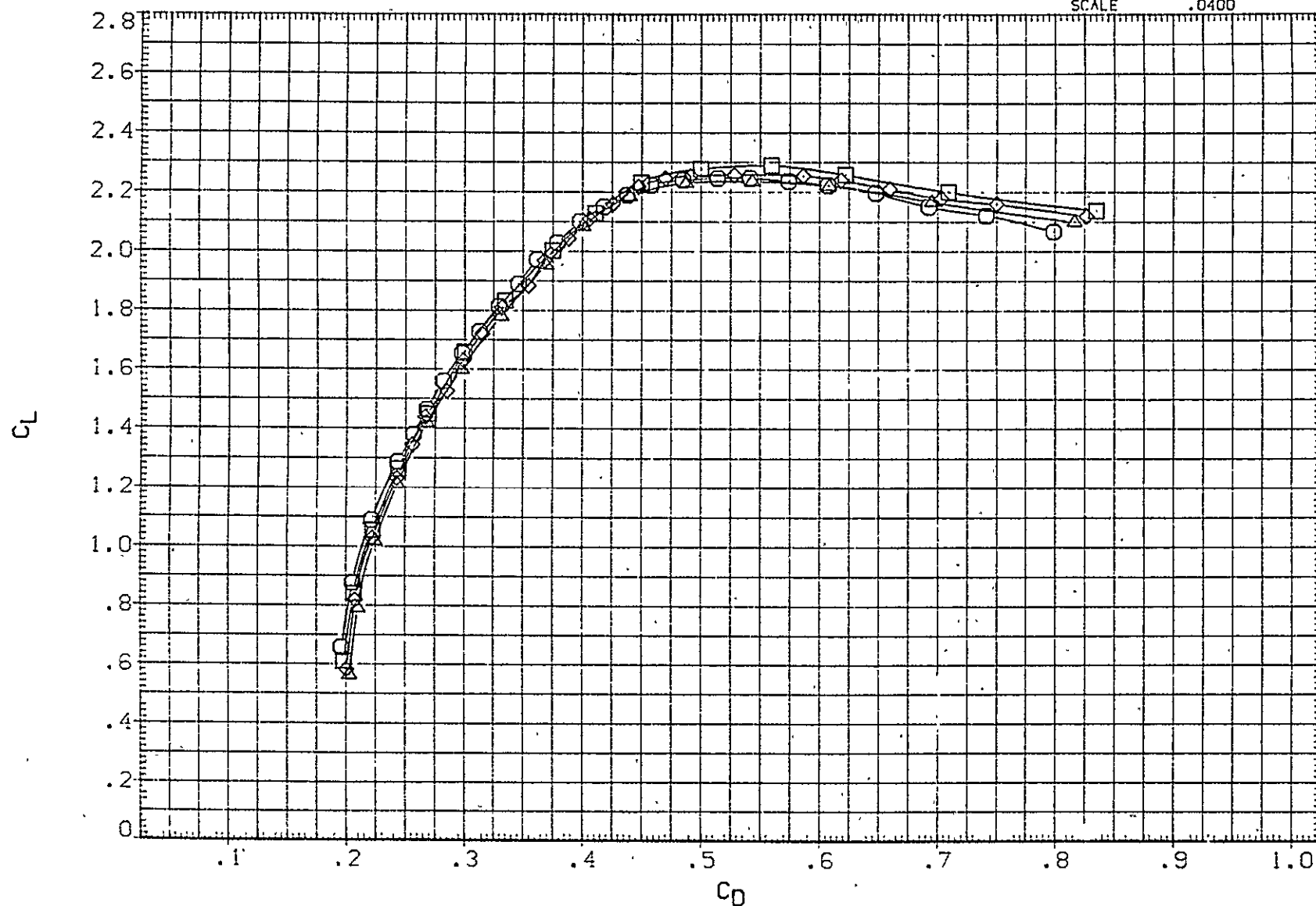


FIG 23 ALT CONFIG. STABILIZER EFFECTIVENESS, FLAPS 30, IORB=6, TC ON, ELEV=-5
MAIN BALANCE DATA-ALPHA SWEEPS

(A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BETA	REFERENCE INFORMATION		
(RJF049)	○	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	17.000	-2.000	.000	SREF	5500.0000	SG.FT.
(RJF050)	□	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	10.000	-2.000	.000	LREF	327.8000	IN.
(RJF054)	◇	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	.000	-2.000	.000	BREF	2348.0000	IN.
(RJF051)	△	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	-10.000	-2.000	.000	XMRP	1339.9100	IN.XC
(RJF052)	▽	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	-23.000	-2.000	.000	YMRP	.0000	IN.YC
						ZMRP	190.7500	IN.ZC
						SCALE	.0400	

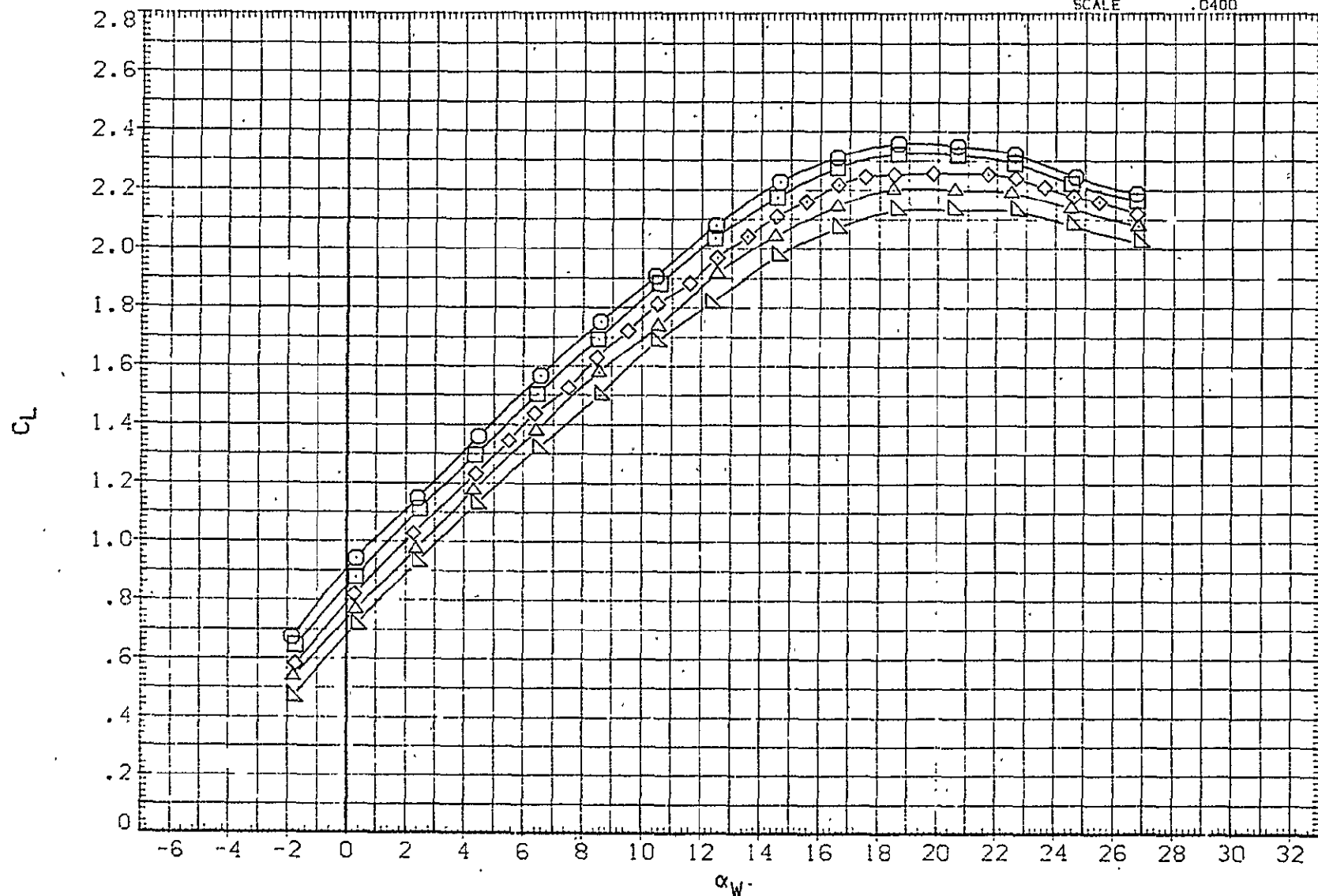


FIG 24 ALT CONFIG. ELEVATOR EFFECTIVENESS, FLAPS 30, IORB=6, TC ON, ELEV=-5
MAIN BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BETA	REFERENCE INFORMATION		
(RJF049)	○	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	17.000	-2.000	.000	SREF	5500.0000	50.FT.
(RJF050)	□	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	10.000	-2.000	.000	LREF	327.8000	IN.
(RJF054)	◇	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	.000	-2.000	.000	BREF	2348.0000	IN.
(RJF051)	△	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	-10.000	-2.000	.000	XMRP	1339.9100	IN.XC
(PJF052)	▽	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	-23.000	-2.000	.000	YMRP	.0000	IN.YC
						ZMRP	190.7500	IN.ZC
						SCALE	.0400	

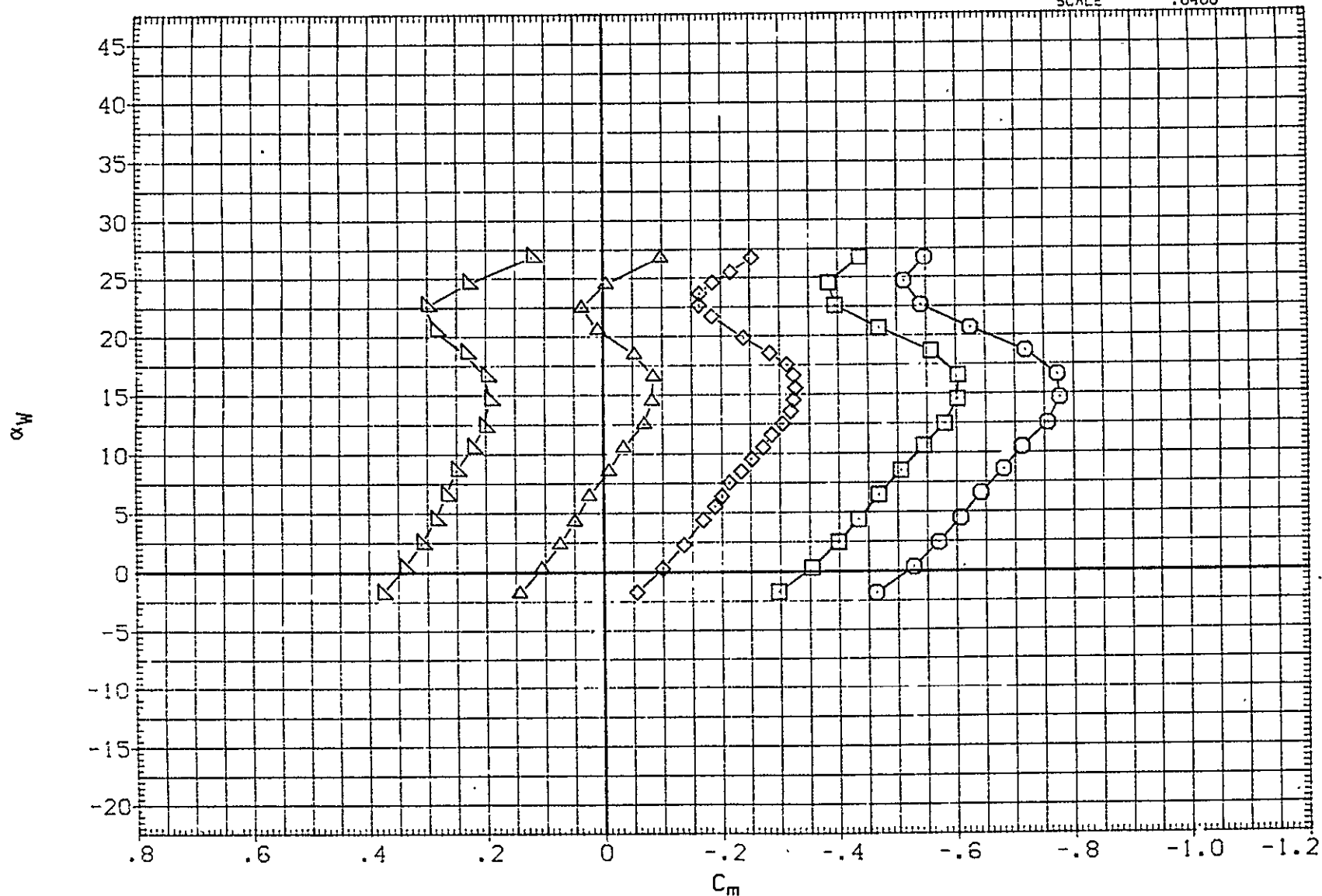


FIG 24 ALT CONFIG. ELEVATOR EFFECTIVENESS, FLAPS 30, IORB=6, TC ON, ELEV=-5
MAIN BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RJF049)	○	(CA-8) K3V9.1.2T55H15.6.1F30G5.3.5TS401
(RJF050)	□	(CA-8) K3V9.1.2T55H15.6.1F30G5.3.5TS401
(RJF054)	◇	(CA-8) K3V9.1.2T55H15.6.1F30G5.3.5TS401
(RJF051)	△	(CA-8) K3V9.1.2T55H15.6.1F30G5.3.5TS401
(RJF052)	▽	(CA-8) K3V9.1.2T55H15.6.1F30G5.3.5TS401

ELEVTR	STAB	BETA
17.000	-2.000	.000
10.000	-2.000	.000
.000	-2.000	.000
-10.000	-2.000	.000
-23.000	-2.000	.000

REFERENCE INFORMATION		
SREF	5500.0000	SQ.FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMRP	1339.9100	IN.XC
YMRP	.0000	IN.YC
ZMRP	190.7500	IN.ZC
SCALE	.0400	

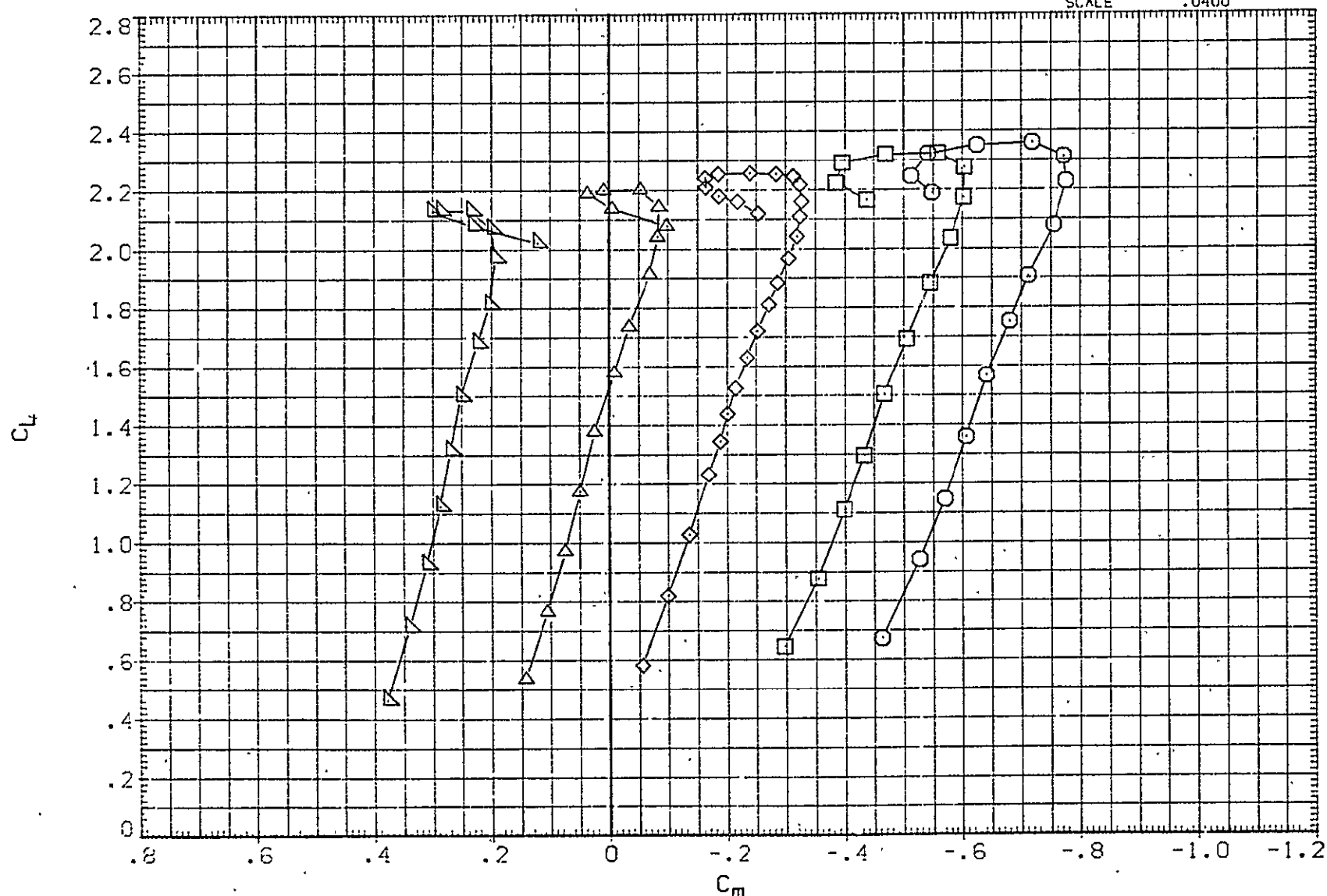


FIG 24 ALT CONFIG. ELEVATOR EFFECTIVENESS, FLAPS 30, IORB=6, TC ON, ELEV=-5
MAIN BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BETA	REFERENCE INFORMATION		
(RJF049)	○	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	17.000	-2.000	.000	SREF	5500.0000	SQ.FT.
(RJF050)	□	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	10.000	-2.000	.000	LREF	327.8000	IN.
(RJF054)	◇	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	.000	-2.000	.000	BREF	2348.0000	IN.
(PJF051)	△	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	-10.000	-2.000	.000	XMRP	1339.9100	IN.XC
(PJF052)	▽	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	-23.000	-2.000	.000	YMRP	.0000	IN.YC
						ZMRP	190.7500	IN.ZC
						SCALE	.0400	

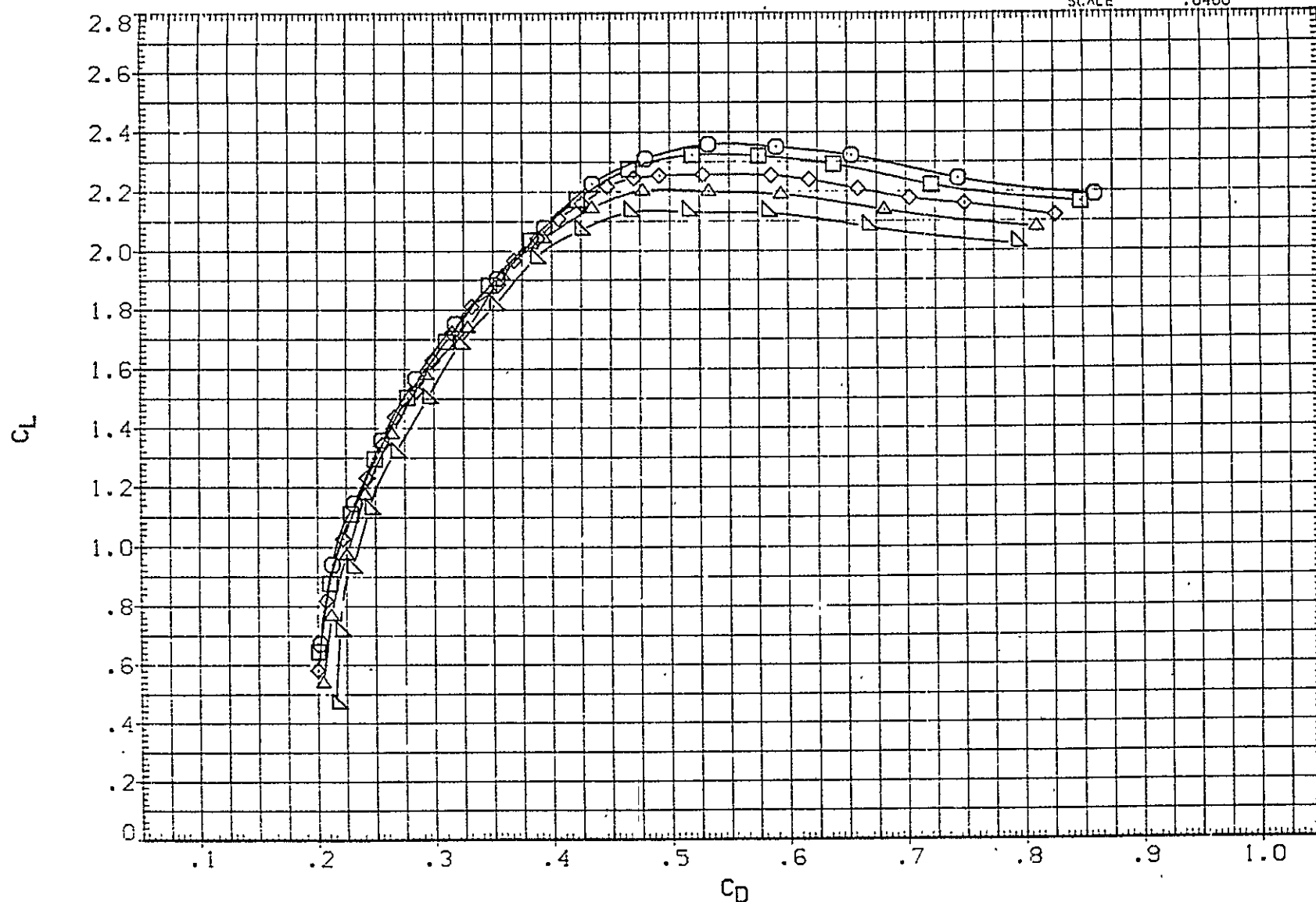


FIG 24 ALT CONFIG. ELEVATOR EFFECTIVENESS, FLAPS 30, ICRB=6, TC ON, ELEV=-5
MAIN BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

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DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(PJF130)	○	(CA-8) K3V9.1.2TS6 FOTS402
(PJF132)	□	(CA-8) K3V9.1.2TS6H15.6.1FOTS402
(RJF131)	◇	(CA-8) K3V9.1.2TS6H15.6.1FOTS402

ELEVTR	STAB	BETA
.000	.000	.000
.000	-4.000	.000

REFERENCE INFORMATION		
SREF	5500.0000	SG.FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMRP	1339.9100	IN.XC
YMRP	.0000	IN.YC
ZMRP	190.7500	IN.ZC
SCALE	.0400	

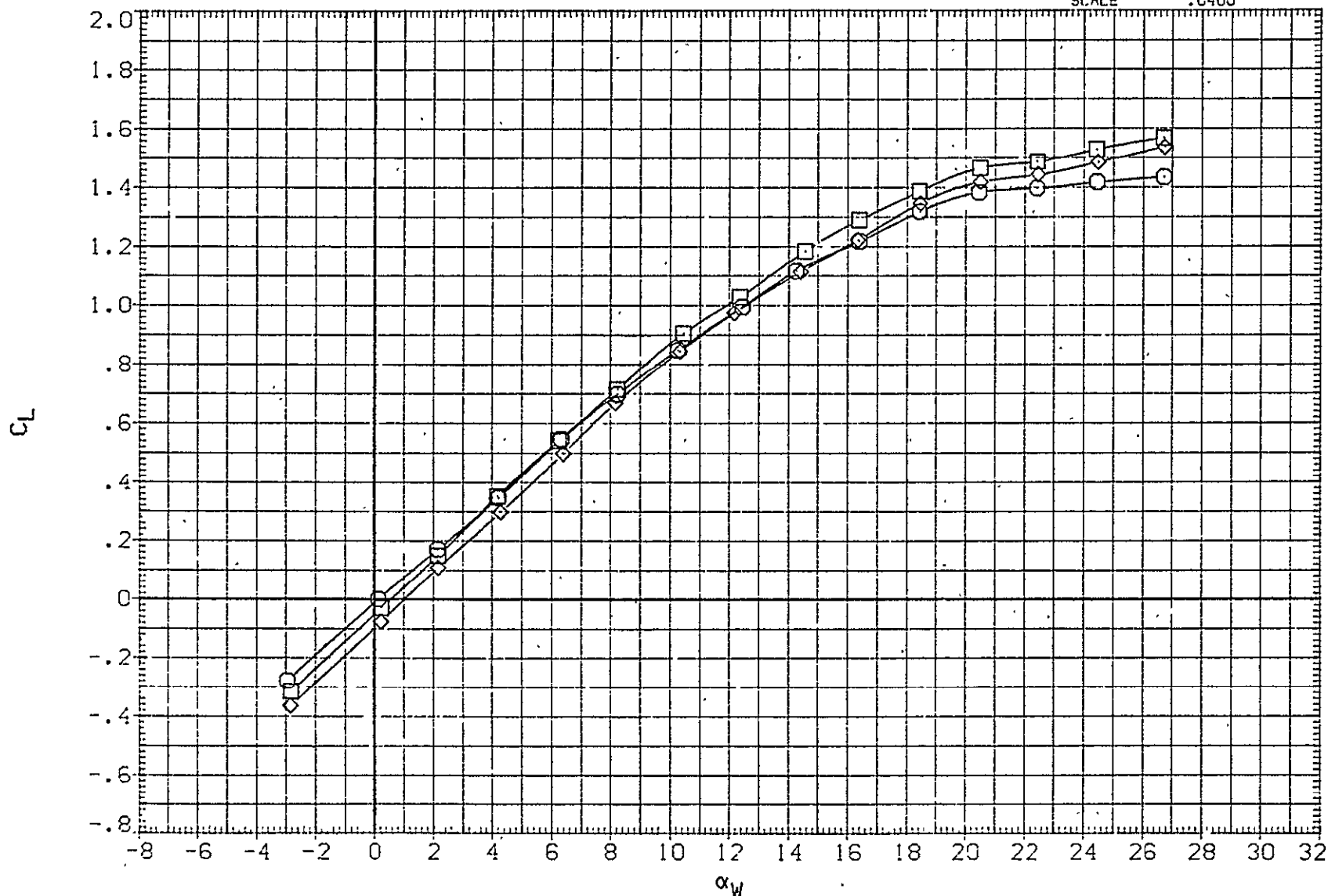


FIG 25 ALT CONFIG. STABILIZER EFFECTIVENESS, FLAPS UP, IORB=6, TC OFF, ELEV=0
MAIN BALANCE DATA-ALPHA SWEEPS

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(PJF130)	○	(CA-8) K3V9.1.2TS6 FOTS402
(RJF'32)	□	(CA-8) K3V9.1.2TS6H15.6.1FOTS402
(RJF131)	◇	(CA-8) K3V9.1.2TS6H15.6.1FOTS402

ELEVTR	STAB	BETA
.000	.000	.000
.000	-4.000	.000

REFERENCE INFORMATION		
SREF	5500.0000	SQ. FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMRP	1339.9100	IN. XC
YMRP	.0000	IN. YC
ZMRP	190.7500	IN. ZC
SCALE	.0400	

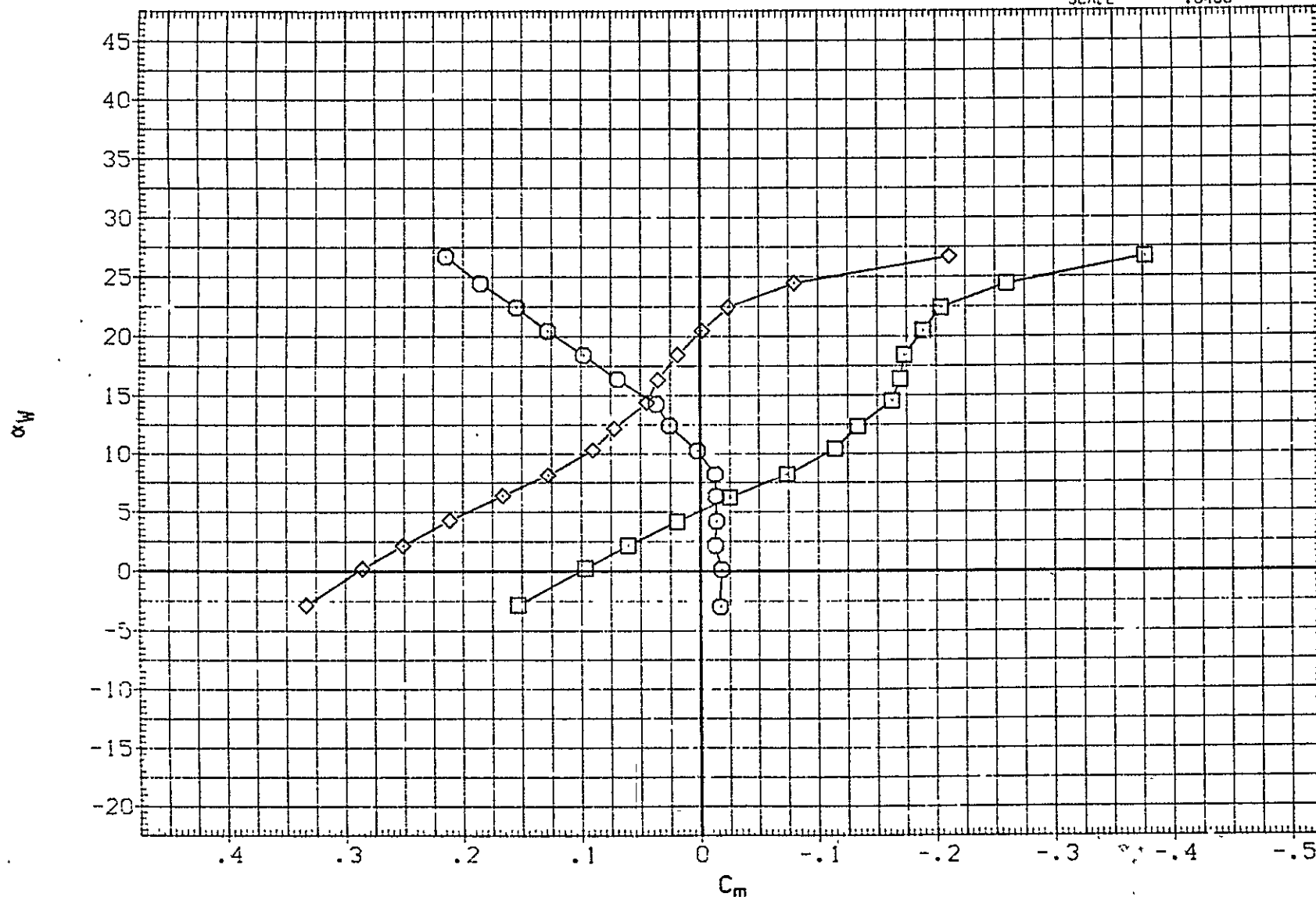


FIG 25 ALT CONFIG. STABILIZER EFFECTIVENESS. FLAPS UP, IORB=6, TC OFF, ELEV=0
MAIN BALANCE DATA-ALPHA SWEEPS

(A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BETA	REFERENCE INFORMATION		
(RJF130)	○	(CA-8) K3V9.1.2TS6 FOTS402			.000	SREF	5500.0000	50. FT.
(RJF132)	□	(CA-8) K3V9.1.2TS6H15.6.1FOTS402	.000	.000	.000	LREF	327.8000	IN.
(RJF131)	◇	(CA-8) K3V9.1.2TS6H15.6.1FOTS402	.000	-4.000	.000	BREF	2348.0000	IN.
						XMRP	1339.9100	IN. XC
						YMRP	.0000	IN. YC
						ZMRP	190.7500	IN. ZC
						SCALE	.0400	

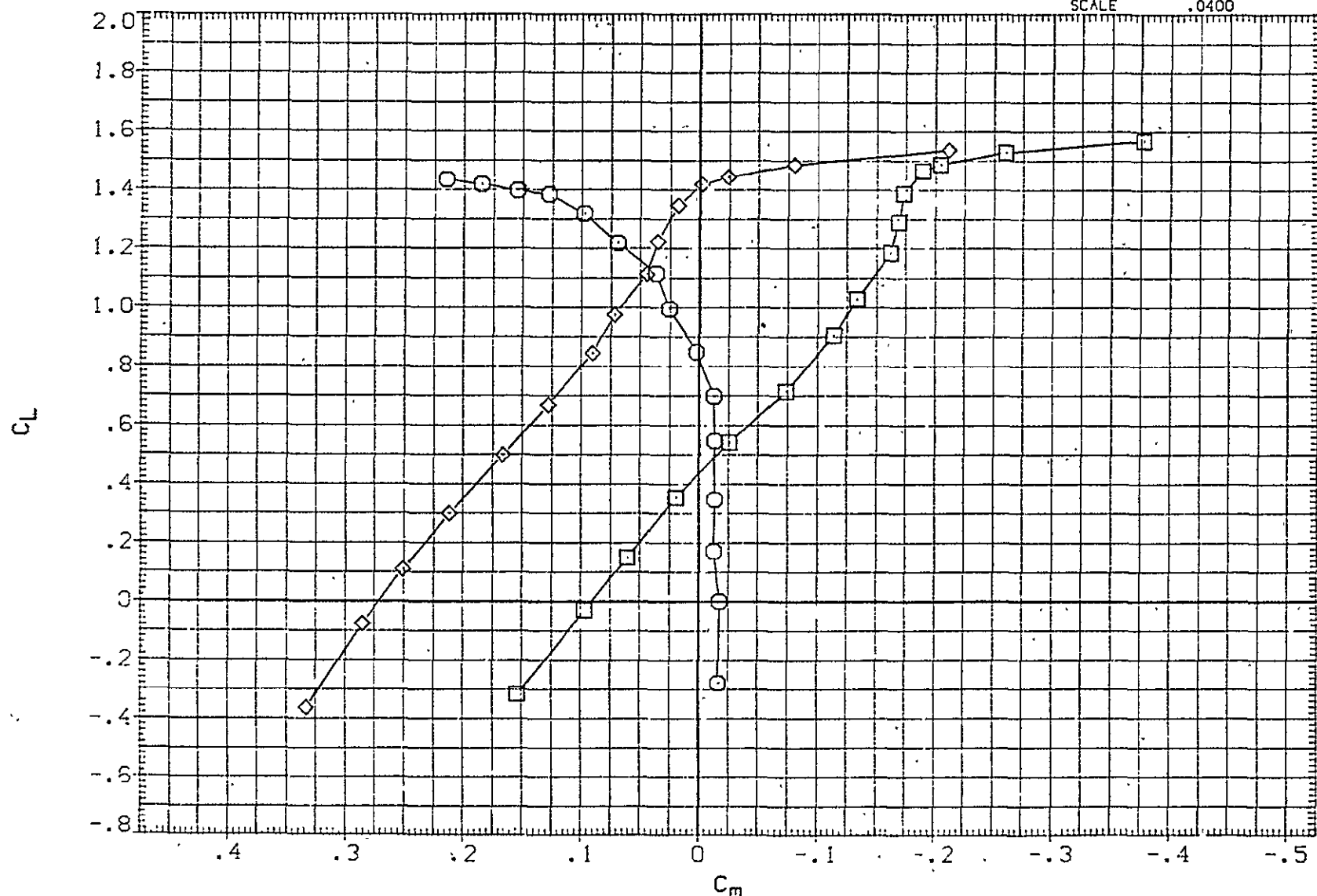


FIG 25 ALT CONFIG. STABILIZER EFFECTIVENESS, FLAPS UP, IORB=6, TC OFF, ELEV=0
MAIN BALANCE DATA-ALPHA SWEEPS

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RJF130)	○	(CA-8) K3V9.1.2TS6 FOTS402
(RJF132)	□	(CA-8) K3V9.1.2TS6H15.6.1FOTS402
(RJF131)	◇	(CA-8) K3V9.1.2TS6H15.6.1FOTS402

ELEVTR	STAB	BETA
		.000
.000	.000	.000
.000	-4.000	.000

REFERENCE INFORMATION		
SREF	5500.0000	50.FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMRP	1339.9100	IN.XC
YMRP	.0000	IN.YC
ZMRP	190.7500	IN.ZC
SCALE	.0400	

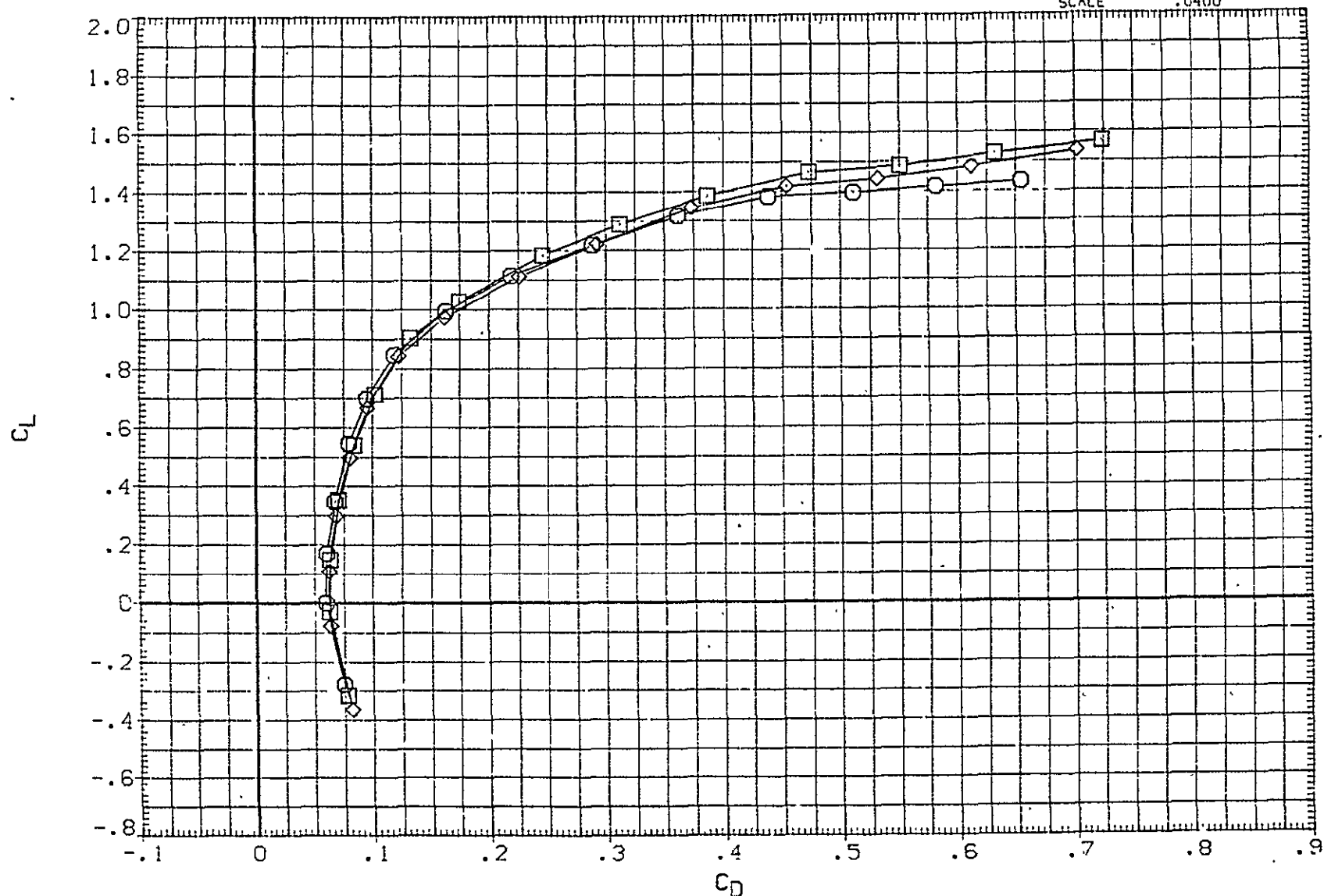


FIG 25 ALT CONFIG. STABILIZER EFFECTIVENESS, FLAPS UP, IORB=6, TC OFF, ELEV=0
MAIN BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BETA	REFERENCE INFORMATION		
(RJF105)	○	(CA-8) K2V9.1.2TS5F30G5.3.5TS401			.000	SREF	5500.0000	50.FT.
(RJF108)	□	(CA-8) K3V9.1.2TS5H15.6.1F10TS402	.000	2.000	.000	LREF	327.8000	IN.
(PJF107)	◇	(CA-8) K3V9.1.2TS5H15.6.1F10TS402	.000	.000	.000	BREF	2348.0000	IN.
(RJF106)	△	(CA-8) K3V9.1.2TS5H15.6.1F10TS402	.000	-2.000	.000	XMRP	1339.9100	IN.XC
						YMRP	.0000	IN.YC
						ZMRP	190.7500	IN.ZC
						SCALE	.0400	

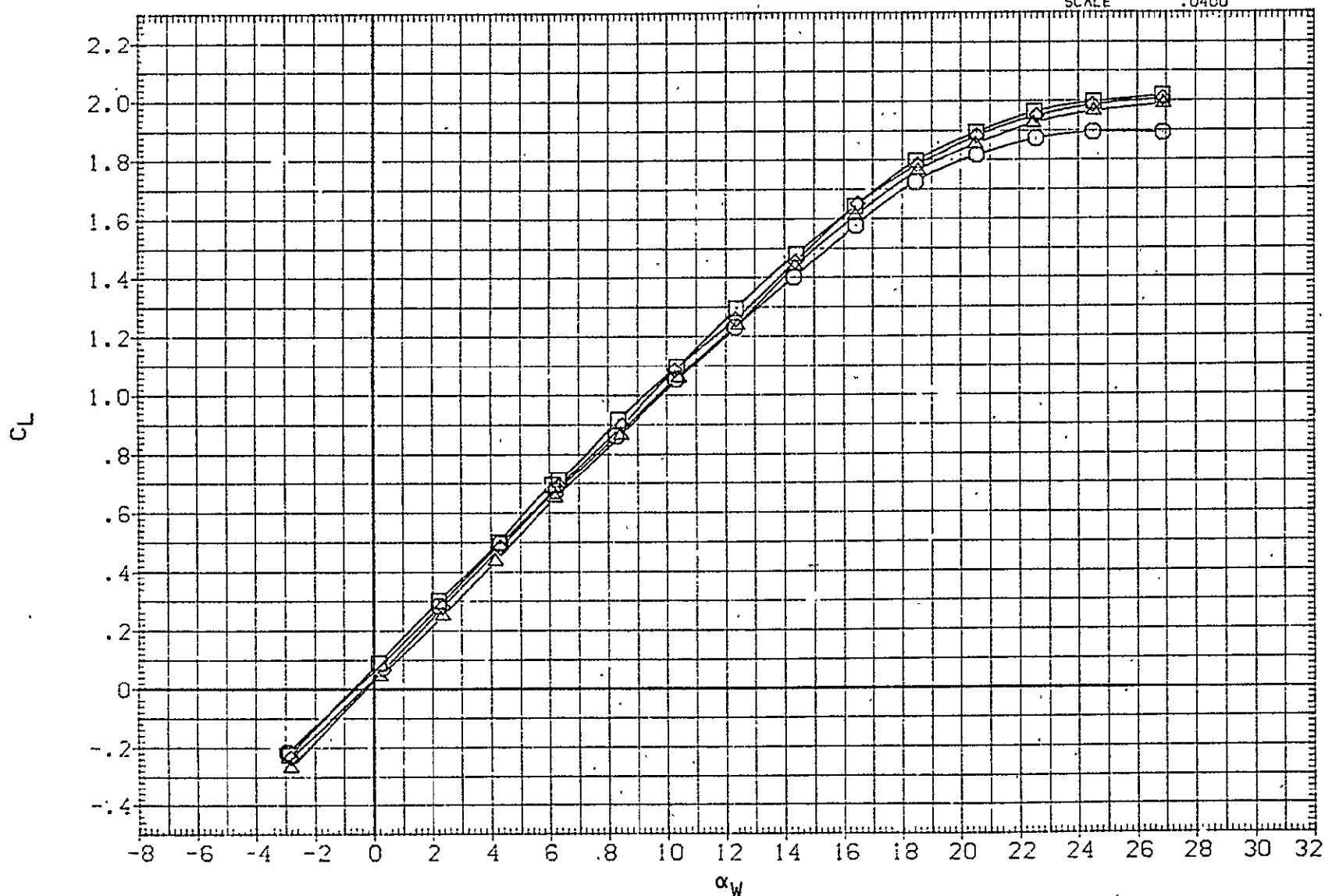


FIG 26 ALT CONFIG. STABILIZER EFFECTIVENESS, FLAPS 10, IORB=6, TC OFF, ELEV=-5
MAIN BALANCE DATA-ALPHA SWEEPS

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(PJF105)	○	(CA-8) K2V9.1.2TS5F30G5.3.5TS401
(PJF108)	□	(CA-8) K3V9.1.2TS5H15.6.1F10TS402
(PJF107)	◇	(CA-8) K3V9.1.2TS5H15.6.1F10TS402
(PJF106)	△	(CA-8) K3V9.1.2TS5H15.6.1F10TS402

ELEVTR	STAB	BETA
.000	2.000	.000
.000	.000	.000
.000	-2.000	.000

REFERENCE INFORMATION		
SREF	5500.0000	50.FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMRP	1339.9100	IN.XC
YMRP	.0000	IN.YC
ZMRP	190.7500	IN.ZC
SCALE	.0400	

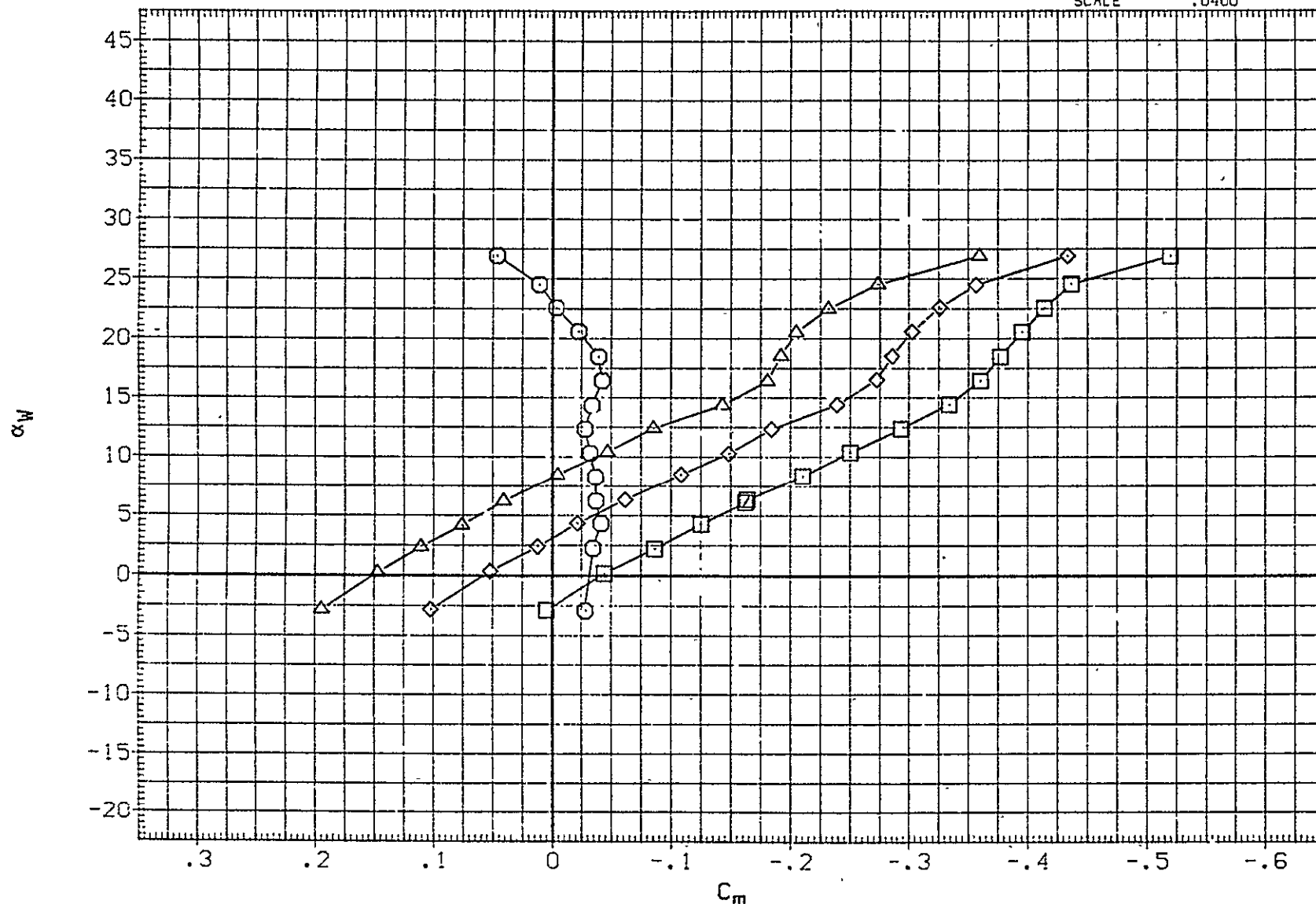


FIG 26 ALT CONFIG. STABILIZER EFFECTIVENESS, FLAPS 10, IORB=6, TC OFF, ELEV=-5
MAIN BALANCE DATA-ALPHA SWEEPS

(A)MACH = 15

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DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(PJF105)	○	(CA-8) K2V9.1.2TSS5F30G5.3.5TS401
(RJF108)	□	(CA-8) K3V9.1.2TSS5H15.6.1F10TS402
(PJF107)	◇	(CA-8) K3V9.1.2TSS5H15.6.1F10TS402
(RJF106)	△	(CA-8) K3V9.1.2TSS5H15.6.1F10TS402

ELEVTP	STAB	BETA
.000	2:000	.000
.000	.000	.000
.000	-2:000	.000

REFERENCE INFORMATION		
SREF	5500.0000	50.FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMRP	1339.9100	IN.XC
YMRP	.0300	IN.YC
ZMRP	190.7500	IN.ZC
SCALE	.0400	

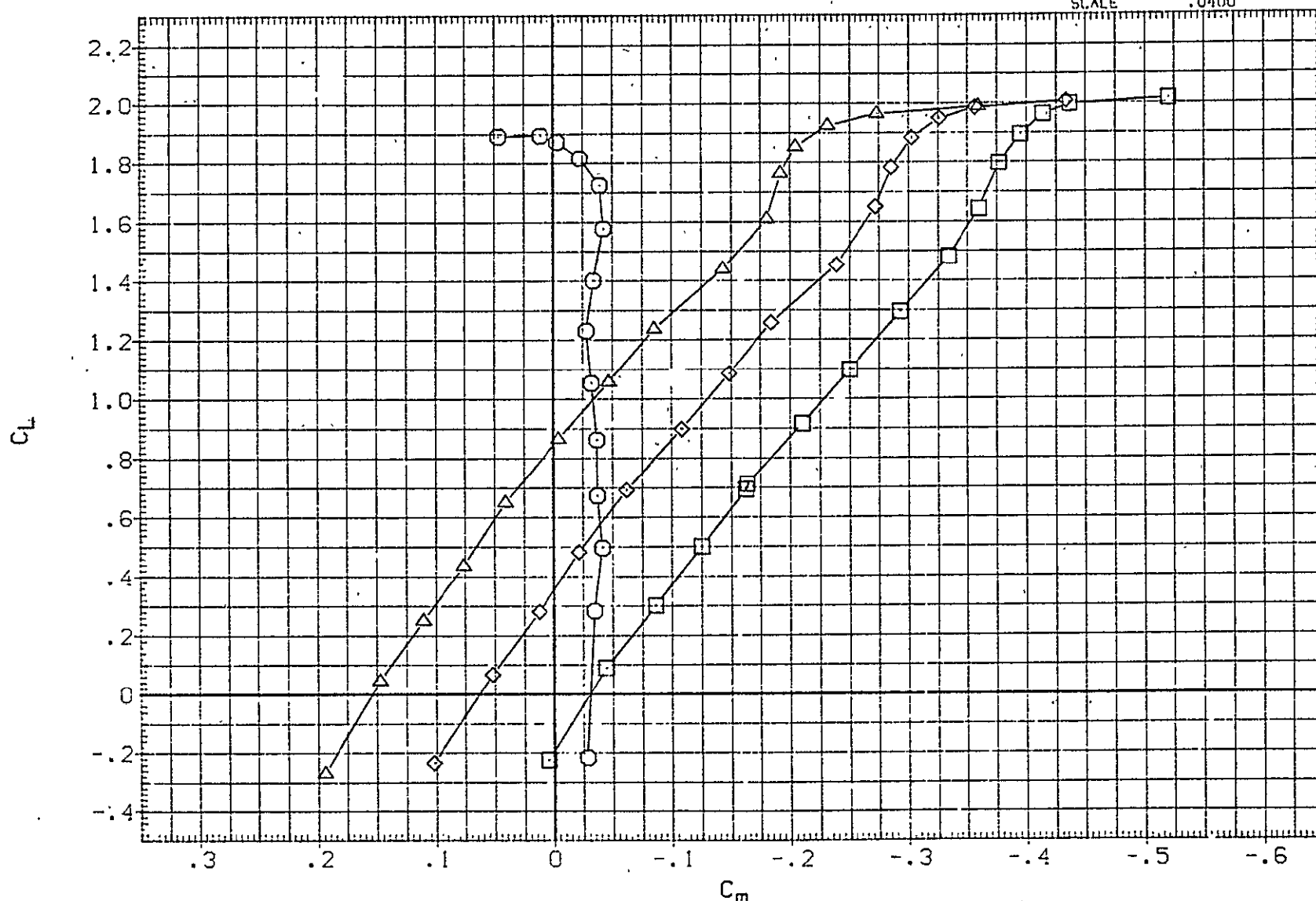


FIG 26 ALT CONFIG. STABILIZER EFFECTIVENESS. FLAPS 10, IORB=6, TC OFF, ELEV=-5
MAIN BALANCE DATA-ALPHA SWEEPS

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RJF105)	○	(CA-8) K2V9.1.2TSSF30G5.3.5TS401
(RJF109)	□	(CA-8) K3V9.1.2TSSH15.6.1F10TS402
(PJF107)	◇	(CA-8) K3V9.1.2TSSH15.6.1F10TS402
(RJF106)	△	(CA-8) K3V9.1.2TSSH15.6.1F10TS402

ELEVTR	STAB	BETA
.000	2.000	.000
.000	.000	.000
.000	-2.300	.000

REFERENCE INFORMATION		
SREF	5500.0000	SQ.FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMRP	1339.9100	IN.XC
YMRP	.0000	IN.YC
ZMRP	190.7500	IN.ZC
SCALE	.0400	

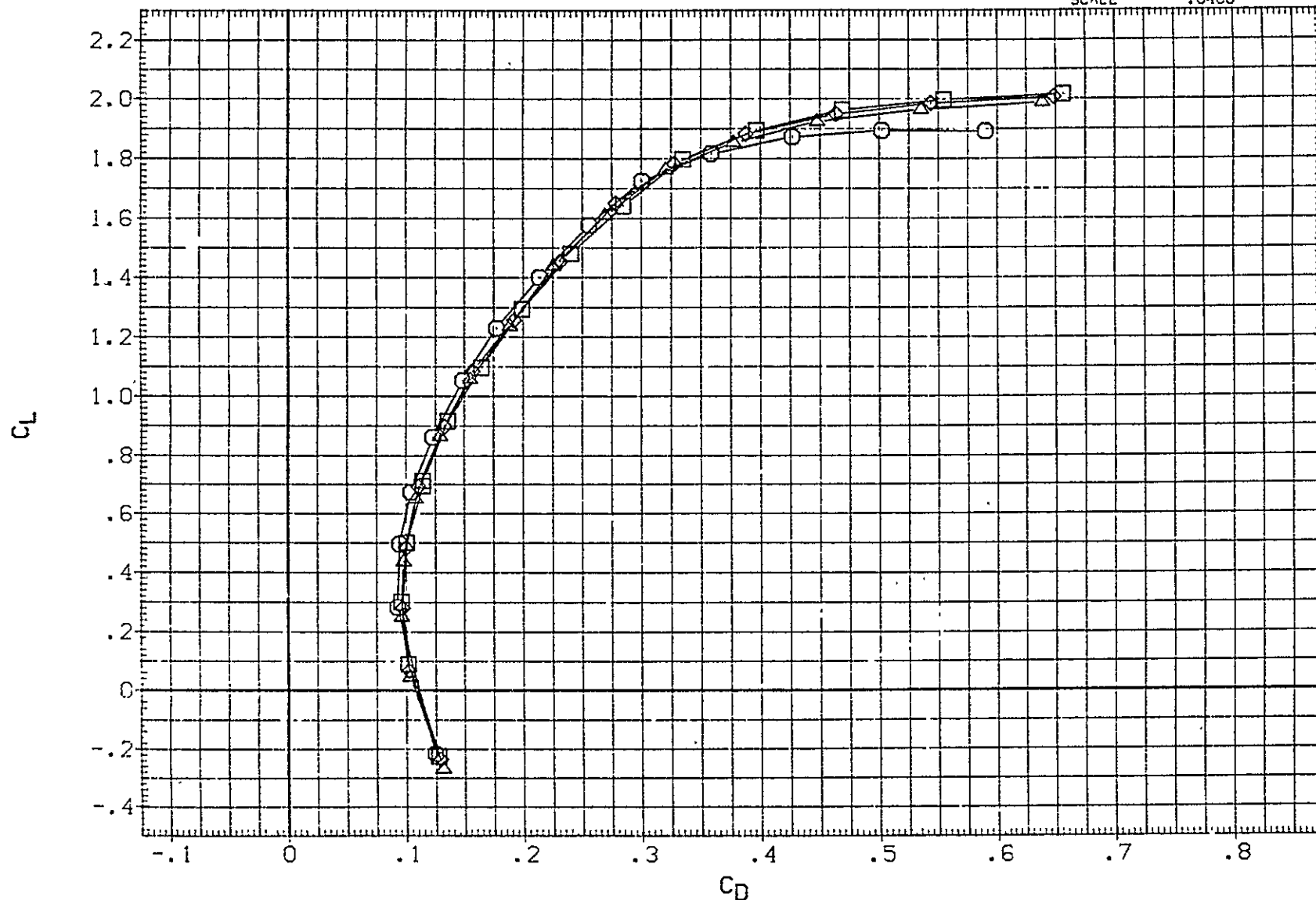


FIG 26 ALT CONFIG. STABILIZER EFFECTIVENESS, FLAPS 10, IORB=6, TC OFF, ELEV=-5
MAIN BALANCE DATA-ALPHA SWEEPS

(A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RJF104)	○	(CA-8) K3V9.1.2TS5H15.6.1F10TS402
(RJF106)	□	(CA-8) K3V9.1.2TS5H15.6.1F10TS402
(PJF103)	◇	(CA-8) K3V9.1.2TS5H15.6.1F10TS402

ELEVTR	STAB	BETA
17.000	-2.000	.000
.000	-2.000	.000
-23.000	-2.000	.000

REFERENCE INFORMATION		
SREF	5500.0000	50.FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMRP	1339.9100	IN.XC
YMRP	.0000	IN.YC
ZMRP	190.7500	IN.ZC
SCALE	.0400	

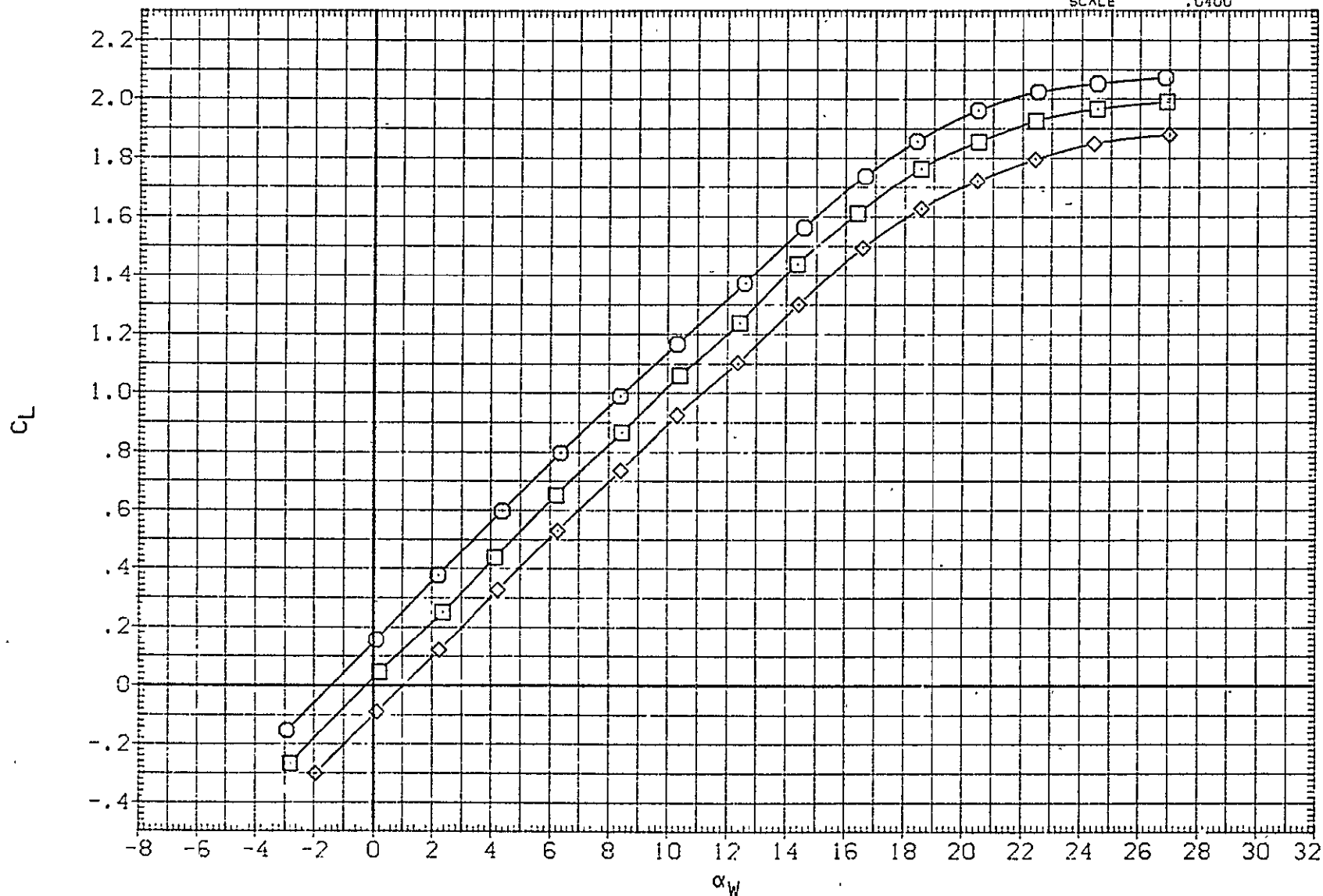


FIG 27 ALT CONFIG. ELEVATOR EFFECTIVENESS. FLAPS 10, IORB=6, TC OFF, ELEV=-5
MAIN BALANCE DATA-ALPHA SWEEPS

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BETA	REFERENCE INFORMATION	
(PJF104)	○	(CA-8) K3V9.1.2TS5H15.6.1F10TS402	17.000	-2.000	.000	SREF	5500.0000 SO.FT.
(RJF106)	□	(CA-8) K3V9.1.2TS5H15.6.1F10TS402	.000	-2.000	.000	LREF	327.8000 IN.
(RJF103)	◇	(CA-8) K3V9.1.2TS5H15.6.1F10TS402	-23.000	-2.000	.000	BREF	2348.0000 IN.
						XMRP	1339.9100 IN.XC
						YMRP	.0000 IN.YC
						ZMRP	190.7500 IN.ZC
						SCALE	.0400

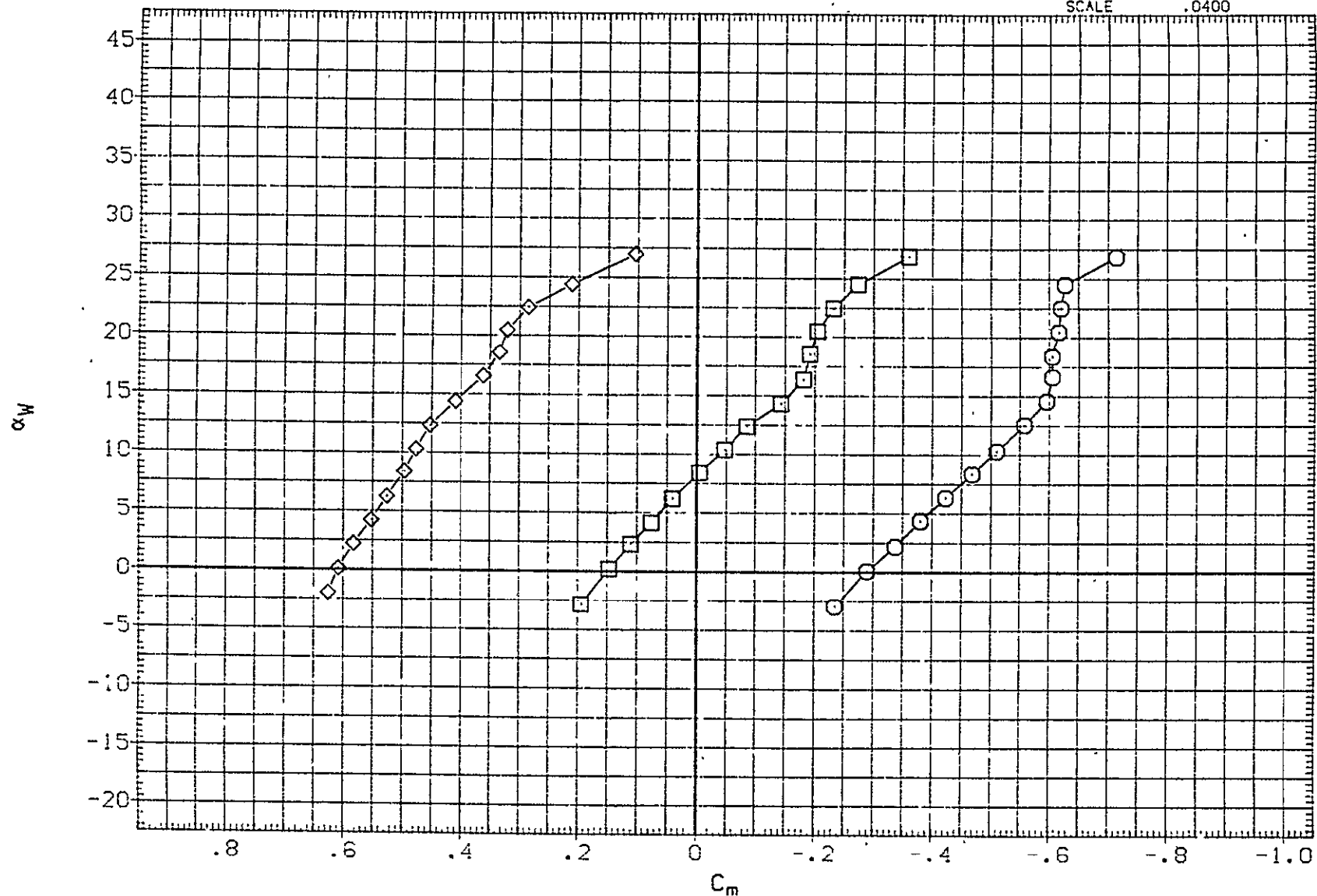


FIG 27 ALT CONFIG. ELEVATOR EFFECTIVENESS, FLAPS 10, IORB=6, TC OFF, ELEV=-5
MAIN BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RJF104)	○	(CA-8) K3V9.1.2TS5H15.6.1F10TS402
(RJF106)	□	(CA-8) K3V9.1.2TS5H15.6.1F10TS402
(RJF103)	◇	(CA-8) K3V9.1.2TS5H15.6.1F10TS402

ELEVTR	STAB	BETA
17.000	-2.000	.000
.000	-2.000	.000
-23.000	-2.000	.000

REFERENCE INFORMATION		
SREF	5500.0000	50.FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMRP	1339.9100	IN.XC
YMRP	.0000	IN.YC
ZMRP	190.7500	IN.ZC
SCALE	.0400	

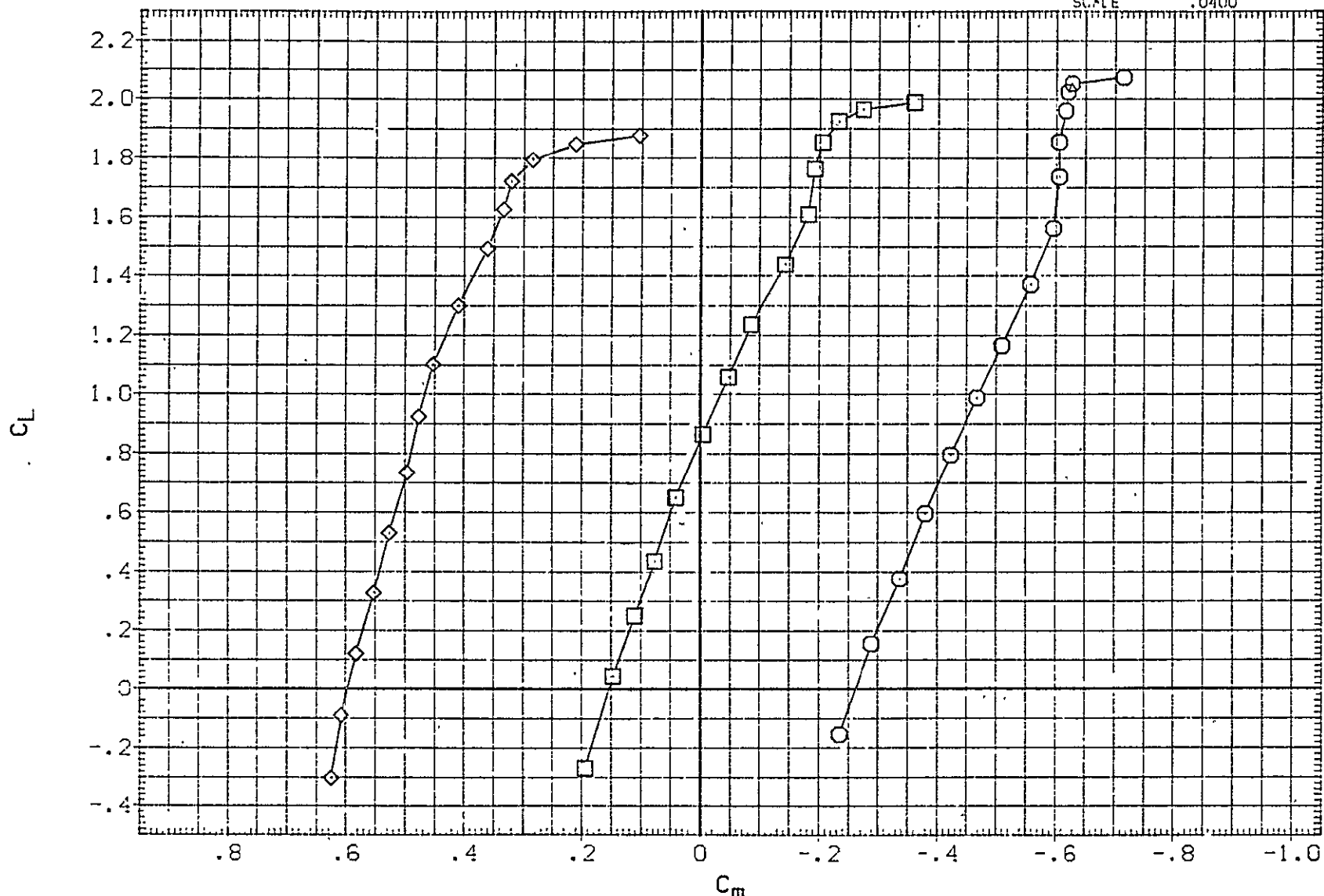


FIG 27 ALT CONFIG. ELEVATOR EFFECTIVENESS, FLAPS 10, IORB=6, TC OFF, ELEV=-5
MAIN BALANCE DATA-ALPHA SWEEPS

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RJF104)	○	(CA-8) K3V9.1.2TS5H15.6.1F10TS402
(RJF106)	□	(CA-8) K3V9.1.2TS5H15.6.1F10TS402
(RJF103)	◇	(CA-8) K3V9.1.2TS5H15.6.1F10TS402

ELEVTR	STAB	BETA
17.000	-2.000	.000
.000	-2.000	.000
-23.000	-2.000	.000

REFERENCE INFORMATION		
SREF	5500.0000	50.FT.
LREF	327.8000	IN.
BPEF	2348.0000	IN.
XMRP	1339.9100	IN.XC
YMRP	.0000	IN.YC
ZMRP	190.7500	IN.ZC
SCALE	.0400	

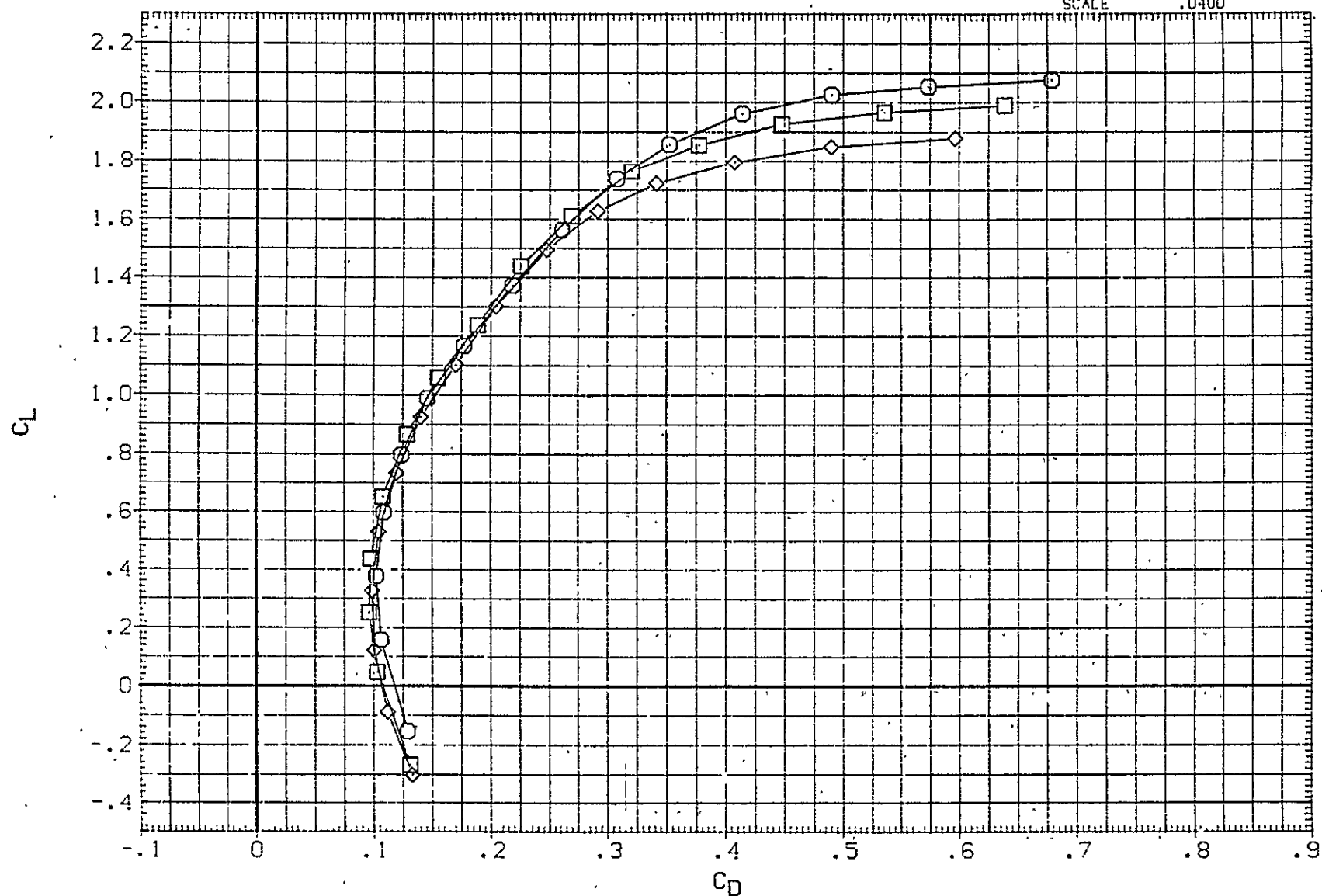


FIG 27 ALT CONFIG. ELEVATOR EFFECTIVENESS, FLAPS 10, IORB=6, TC OFF, ELEV=-5
MAIN BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RJF109)	○	(CA-8) K3V9.1.2TS5H15.6.1F10TS40265.3.5
(RJF107)	□	(CA-8) K3V9.1.2TS5H15.6.1F10TS402

ELEVTR	STAB	BETA
.000	.000	.000
.000	.000	.000

REFERENCE INFORMATION		
SREF	5500.0000	50.FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMRP	1339.9100	IN.XC
YMRP	.0000	IN.YC
ZMRP	190.7500	IN.ZC
SCALE	.0400	

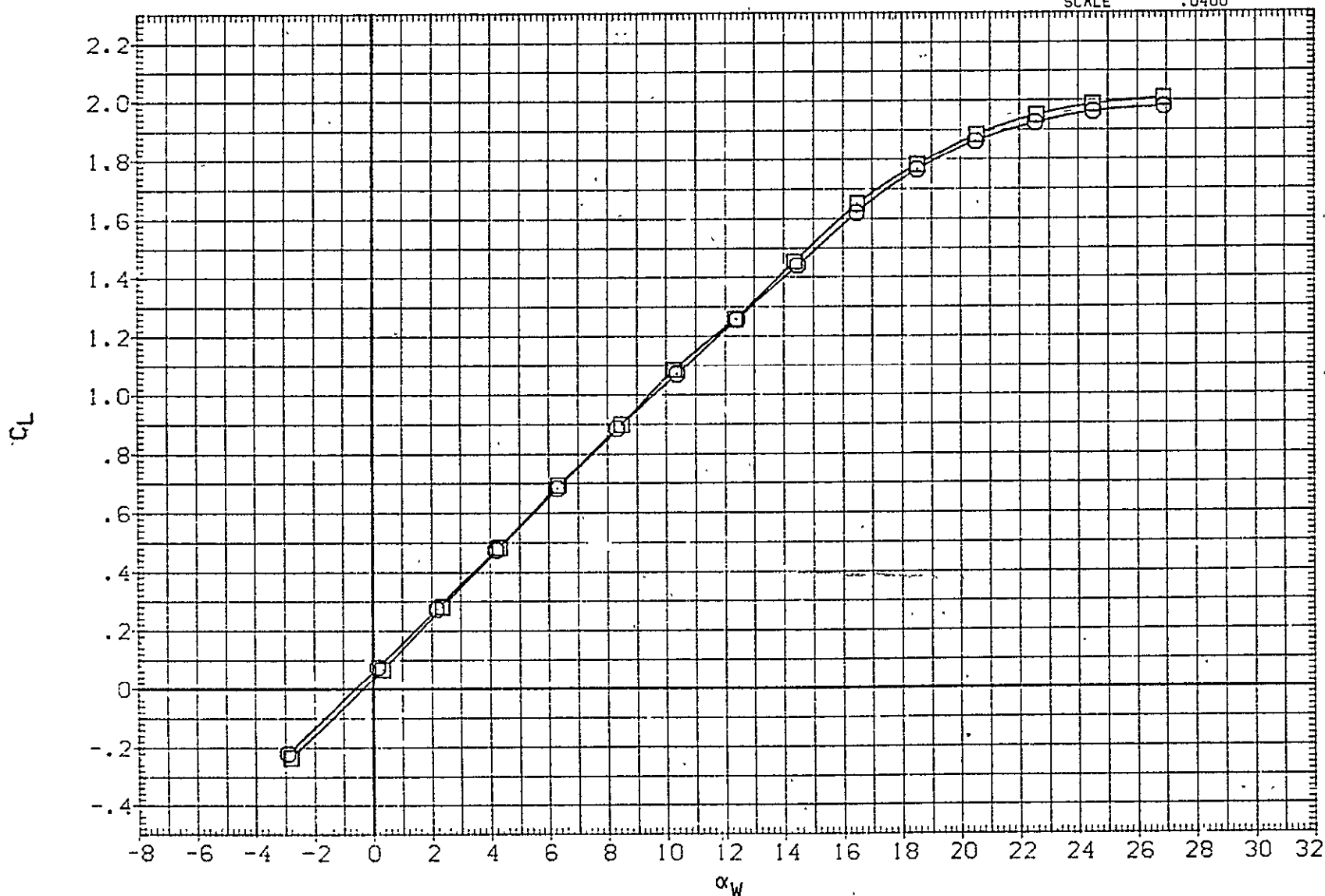


FIG 28 ALT CONFIG. EFFECT OF LANDING GEAR, FLAPS 10, IORB=6, TC OFF, ELEV=-5
MAIN BALANCE DATA-ALPHA SWEEPS

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(PJF109)	○	(CA-8) K3V9.1.2TS5H15.6.1F10TS402G5.3.5
(RJF107)	□	(CA-8) K3V9.1.2TS5H15.6.1F10TS402

ELEVTR	STAB	BETA
.000	.000	.000
.000	.000	.000

REFERENCE INFORMATION		
SREF	5500.0000	SO.FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMRP	1339.9100	IN.XC
YMRP	.0000	IN.YC
ZMRP	190.7500	IN.ZC
SCALE	.0400	

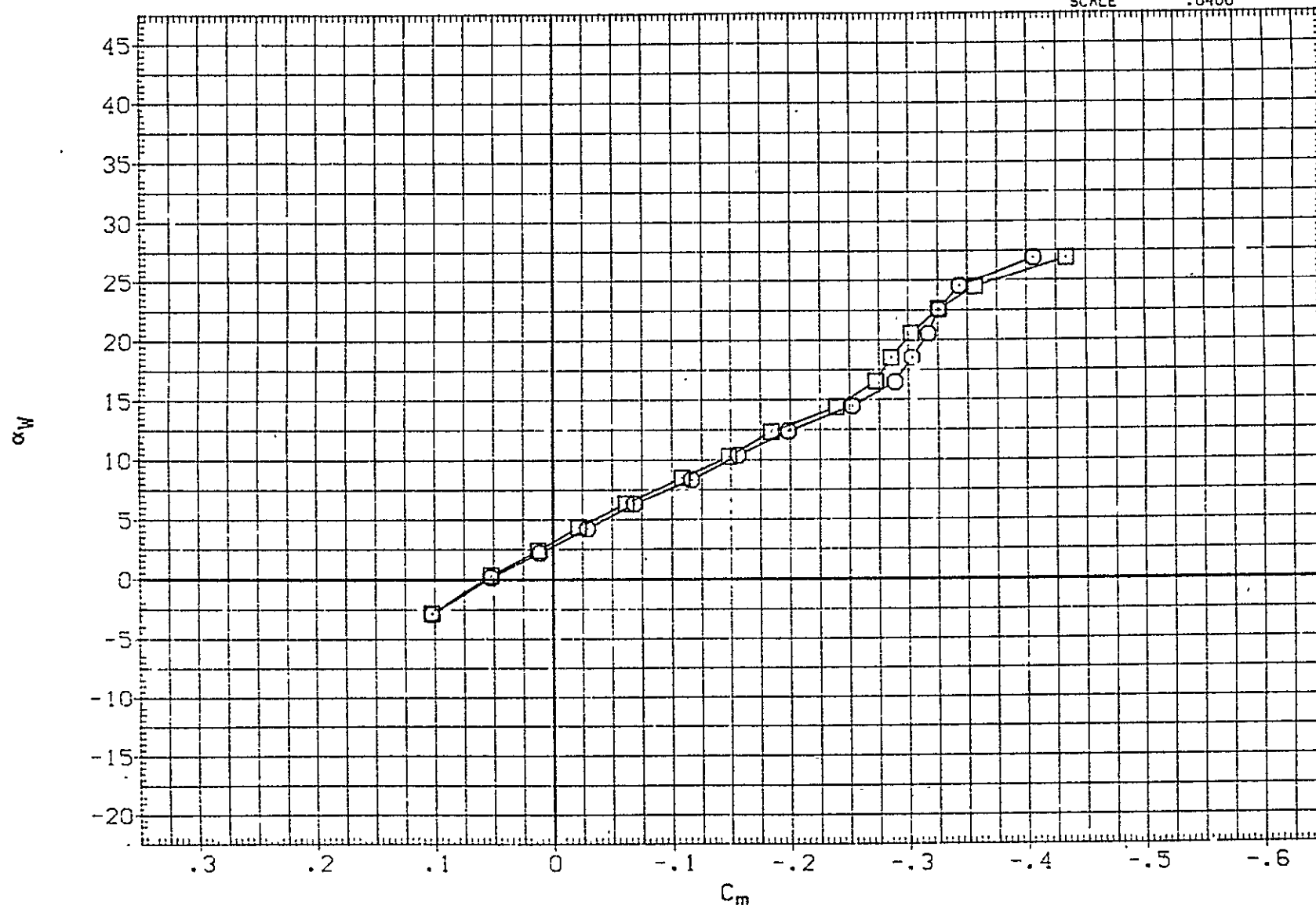


FIG 28 ALT CONFIG. EFFECT OF LANDING GEAR, FLAPS 10, IORB=6, TC OFF, ELEV=-5
MAIN BALANCE DATA-ALPHA SWEEPS

(A) MACH = .15

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DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RJF109)	○	(CA-8) K3V9.1.2TS5H15.6.1F10TS402G5.3.5
(RJF107)	□	(CA-8) K3V9.1.2TS5H15.6.1F10TS402

ELEVTR	STAB	BETA
.000	.000	.000
.000	.000	.000

REFERENCE INFORMATION		
SREF	5500.0000	50. FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMRP	1339.9100	IN. XC
YMRP	.0000	IN. YC
ZMRP	190.7500	IN. ZC
SCALE	.0400	

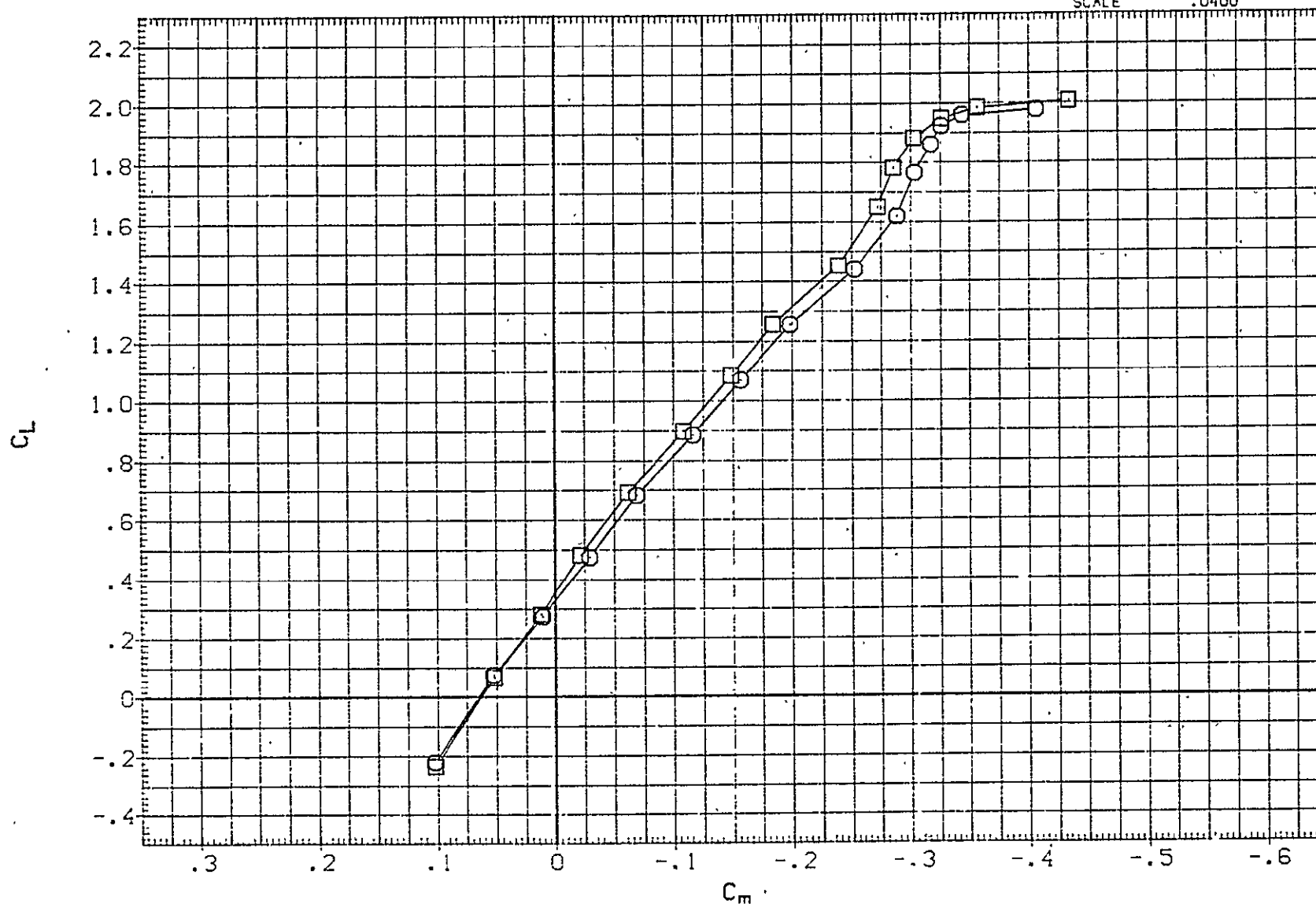


FIG 28 ALT CONFIG. EFFECT OF LANDING GEAR, FLAPS 10, IORB=6, TC OFF, ELEV=-5
MAIN BALANCE DATA-ALPHA SWEEPS

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RJF109)	○	(CA-8) K3V9.1.2TSSH15.6.1F10TS402G5.3.5
(RJF107)	□	(CA-8) K3V9.1.2TSSH15.6.1F10TS402

ELEVTR	STAB	BETA
.000	.000	.000
.000	.000	.000

REFERENCE INFORMATION		
SREF	5500.0000	50.FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMRP	1339.9100	IN.XC
YMRP	.0000	IN.YC
ZMRP	190.7500	IN.ZC
SCALE	.0400	

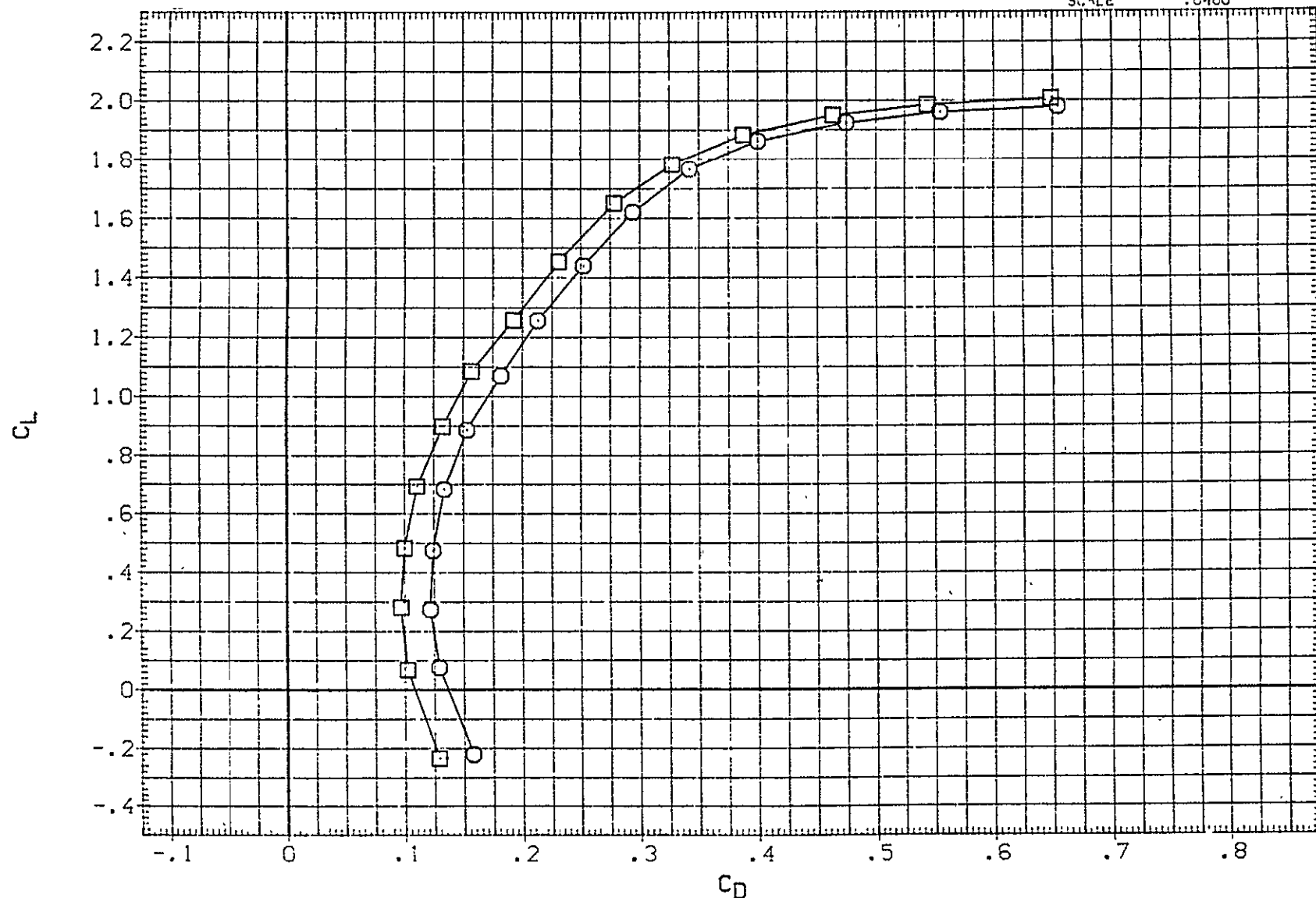


FIG 28 ALT CONFIG. EFFECT OF LANDING GEAR, FLAPS 10, IORB=6, TC OFF, ELEV=-5
MAIN BALANCE DATA-ALPHA SWEEPS

(A) MACH = .15

TA SET	SYMBOL	CONFIGURATION DESCRIPTION
JF110)	○	(CA-8) K3V9.1.2TS5H15.6.1F10TS402SS
JF107)	□	(CA-8) K3V9.1.2TS5H15.6.1F10TS402

ELEVTR	STAB	BETA
.000	.000	.000
.000	.000	.000

REFERENCE INFORMATION		
SREF	5500.0000	SO.FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMRP	1339.9100	IN.XC
YMRP	.0000	IN.YC
ZMRP	190.7500	IN.ZC
SCALE	.0400	

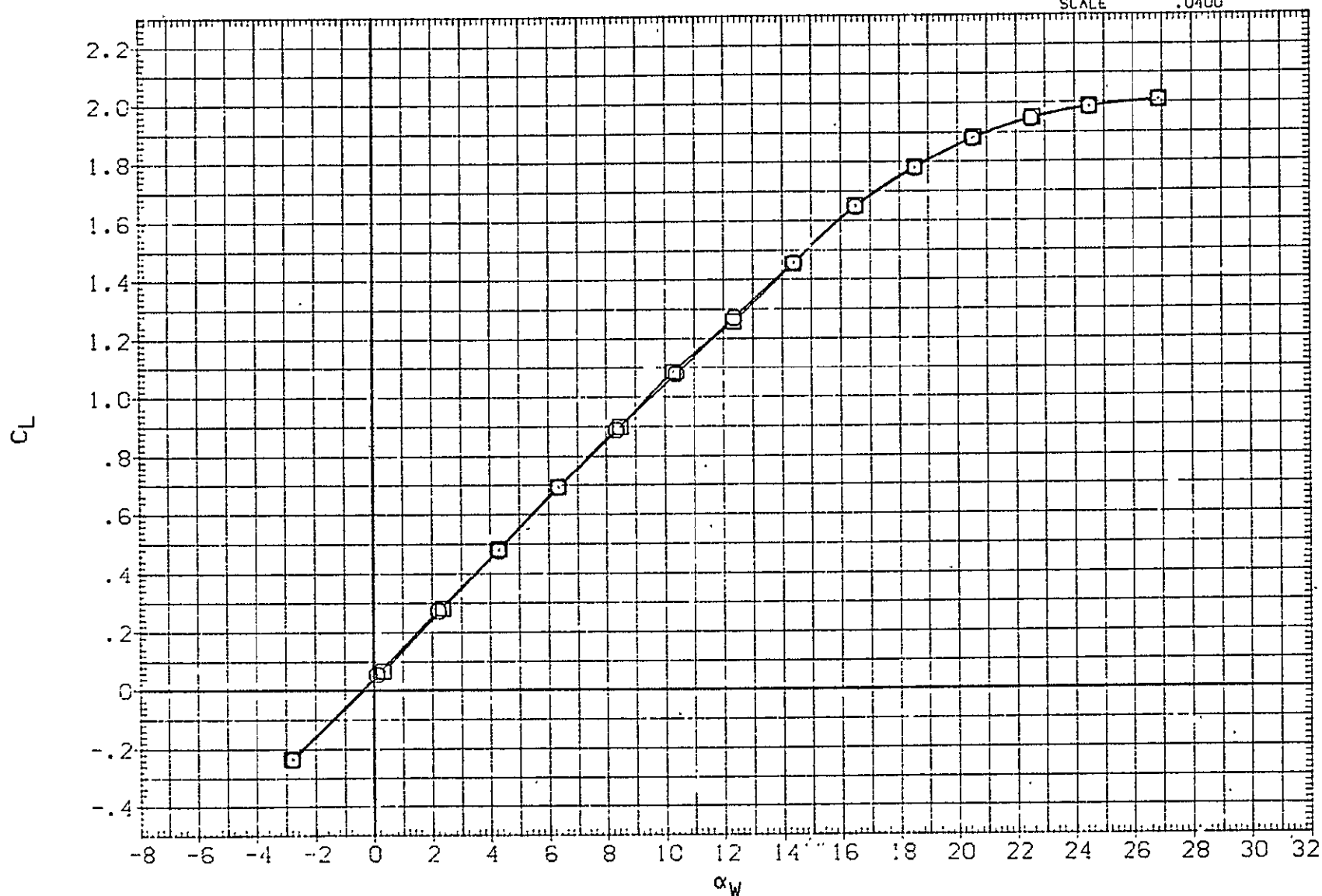


FIG 29 ALT CONFIG. EFFECT OF SUGAR SCOOPS, FLAPS 10, IORB=6, TC OFF, ELEV=-5
MAIN BALANCE DATA-ALPHA SWEEPS

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RJF110)	○	(CA-8) K3V9.1.2TS5H15.6.1F10TS402SS
(RJF107)	□	(CA-8) K3V9.1.2TS5H15.6.1F10TS402

ELEVIR	STAB	BETA
.000	.000	.000
.000	.000	.000

REFERENCE INFORMATION		
SREF	5500.0000	SQ.FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMRP	1339.9100	IN. XC
YMRP	.0000	IN. YC
ZMRP	190.7500	IN. ZC
SCALE	.0400	

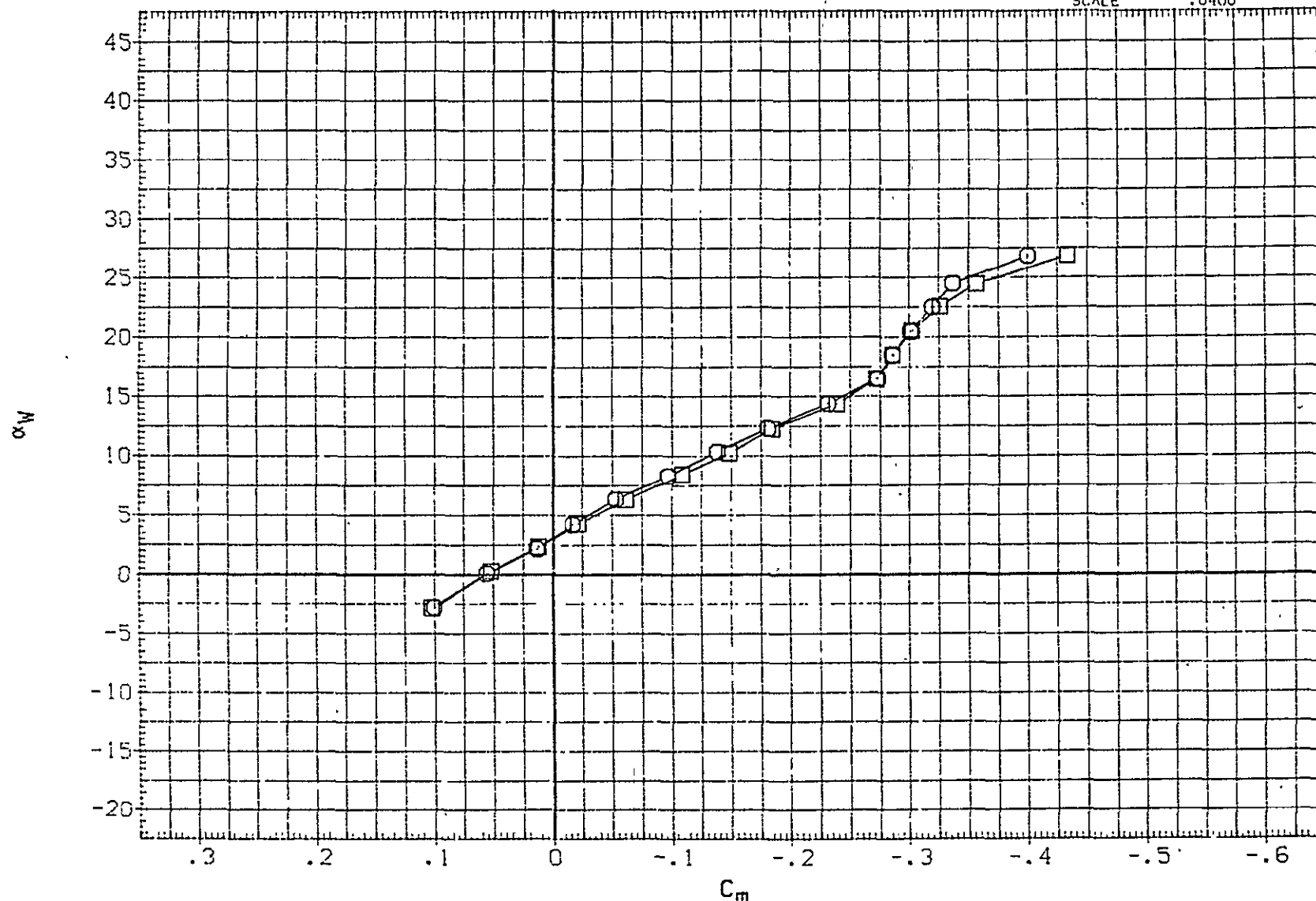


FIG 29 ALT CONFIG. EFFECT OF SUGAR SCOOPS, FLAPS 10, IORB=6, TC OFF, ELEV=-5
MAIN BALANCE DATA-ALPHA SWEEPS

(A)MACH : .15

ATA SET	SYMBOL	CONFIGURATION DESCRIPTION
RJF110)	○	(CA-8) K3V9.1.2TSSH15.6.1F10TS402SS
RJF107)	□	(CA-8) K3V9.1.2TSSH15.6.1F10TS402

ELEVTR	STAB	BETA
.000	.000	.000
.000	.000	.000

REFERENCE INFORMATION		
SREF	5500.0000	50.FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMPP	1339.9100	IN.XC
YMRP	.0000	IN.YC
ZMRP	190.7500	IN.ZC
SCALE	.0400	

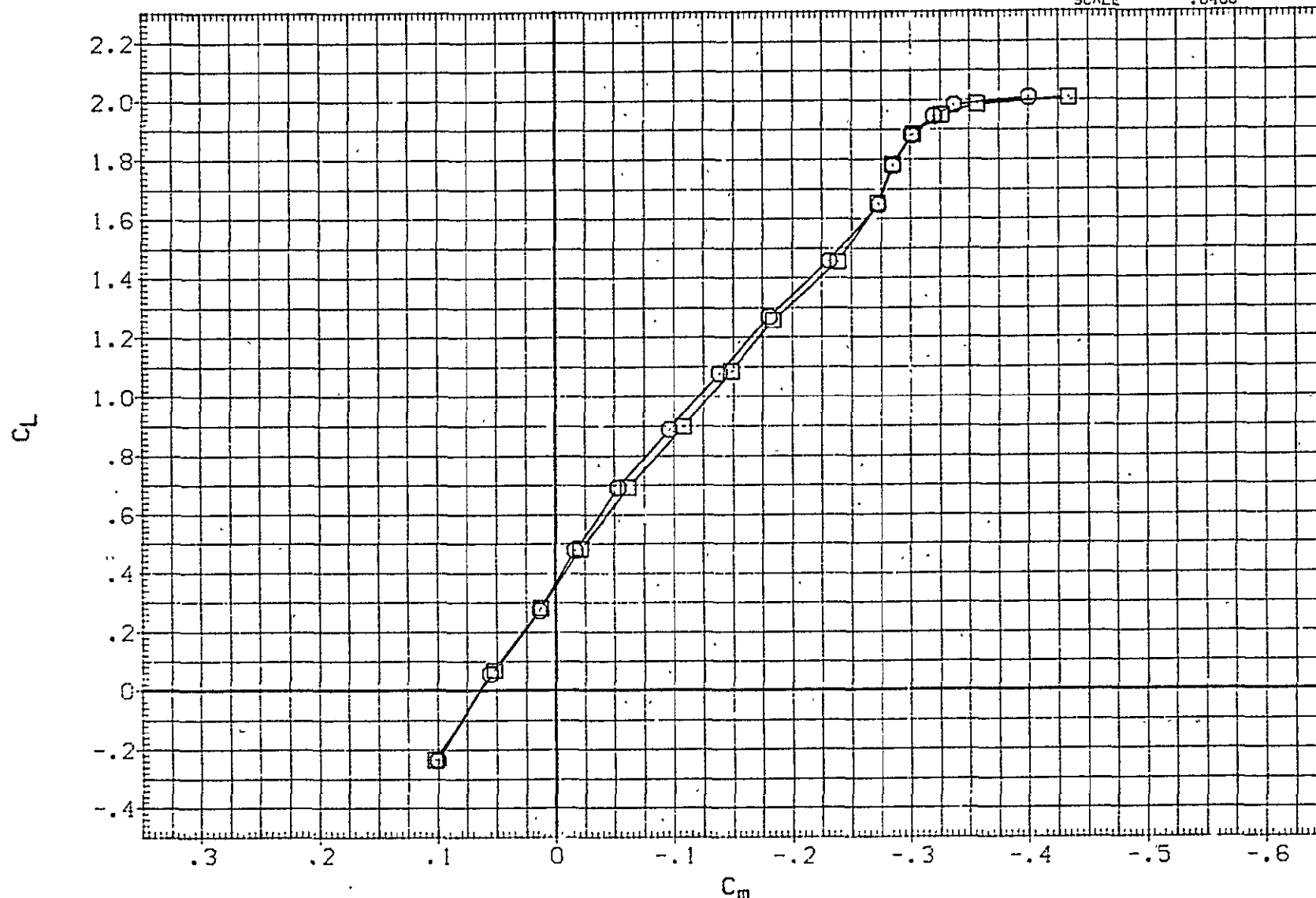


FIG 29 ALT CONFIG. EFFECT OF SUGAR SCOOPS, FLAPS 10, IORB=6, TC OFF, ELEV=-5
MAIN BALANCE DATA-ALPHA SWEEPS

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RJF110)	○	(CA-8) K3V9.1.2TS5H15.6.1F10TS402SS
(RJF107)	□	(CA-8) K3V9.1.2TS5H15.6.1F10TS402

ELEVTR	STAB	BETA
.000	.000	.000
.000	.000	.000

REFERENCE INFORMATION		
SREF	5500.0000	SQ.FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMRP	1339.9100	IN.XC
YMRP	.0000	IN.YC
ZMRP	190.7500	IN.ZC
SCALE	.0400	

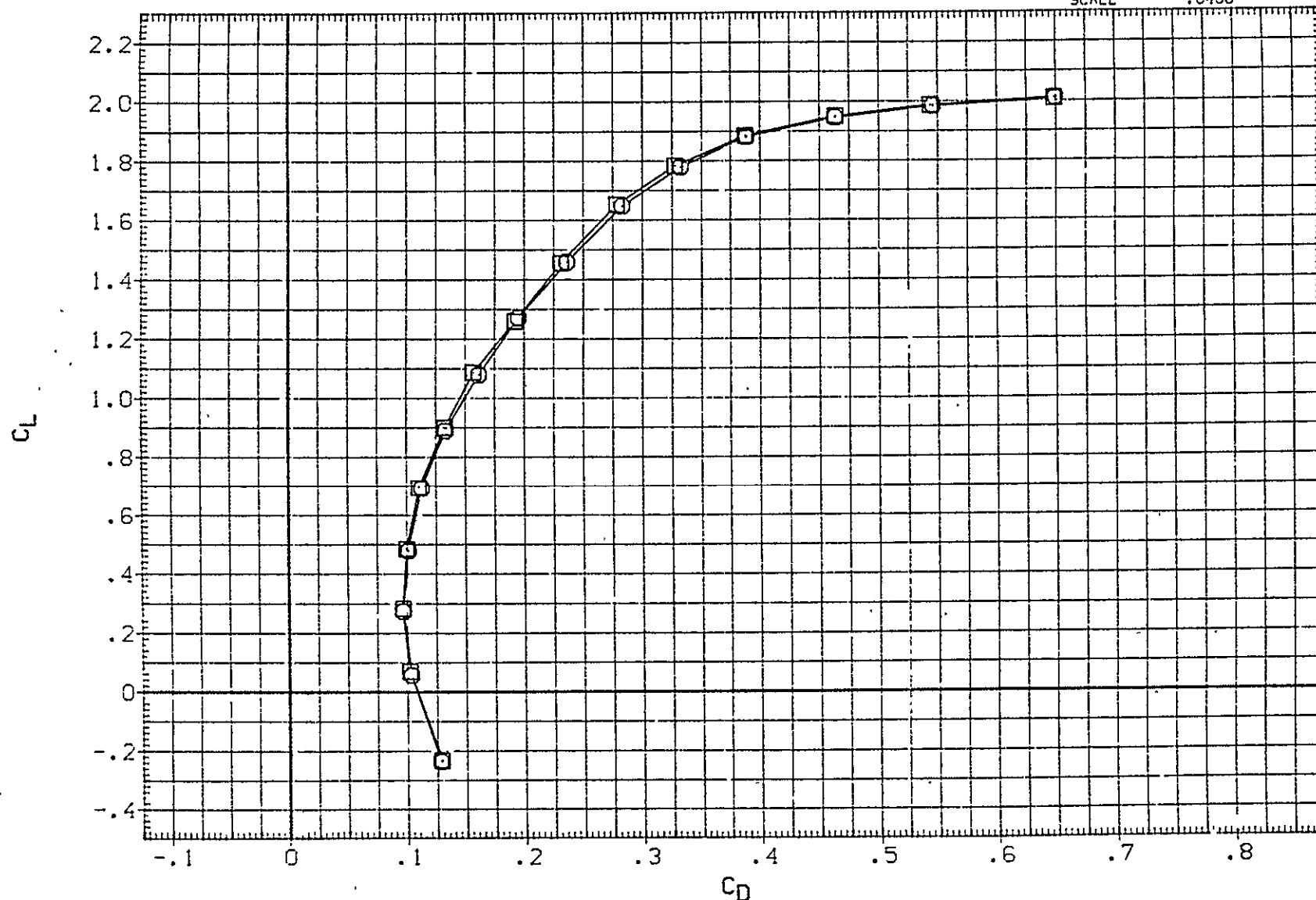


FIG 29 ALT CONFIG. EFFECT OF SUGAR SCOOPS, FLAPS 10, IORB=6, TC OFF, ELEV=-5
MAIN BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BETA	REFERENCE INFORMATION		
(R)F086)	○	(CA-8) K3V9.1.2TS5 F20TS402			.000	SREF	5500.0000	50. FT.
(R)F081)	□	(CA-8) K3V9.1.2TS5H15.6.1F20TS402	.000	3.000	.000	LREF	327.8000	IN.
(R)F080)	◇	(CA-8) K3V9.1.2TS5H15.6.1F20 TS402	.030	.000	.000	BREF	2348.0000	IN.
(R)F079)	△	(CA-8) K3V9.1.2TS5H15.6.1F20 TS402	.000	-2.000	.000	XMRF	1339.9100	IN. XC
(R)F078)	▽	(CA-8) K3V9.1.2TS5H15.6.1F20 TS402	.000	-4.000	.000	YMRF	.0000	IN. YC
						ZMRF	190.7500	IN. ZC
						SCALE	.0400	

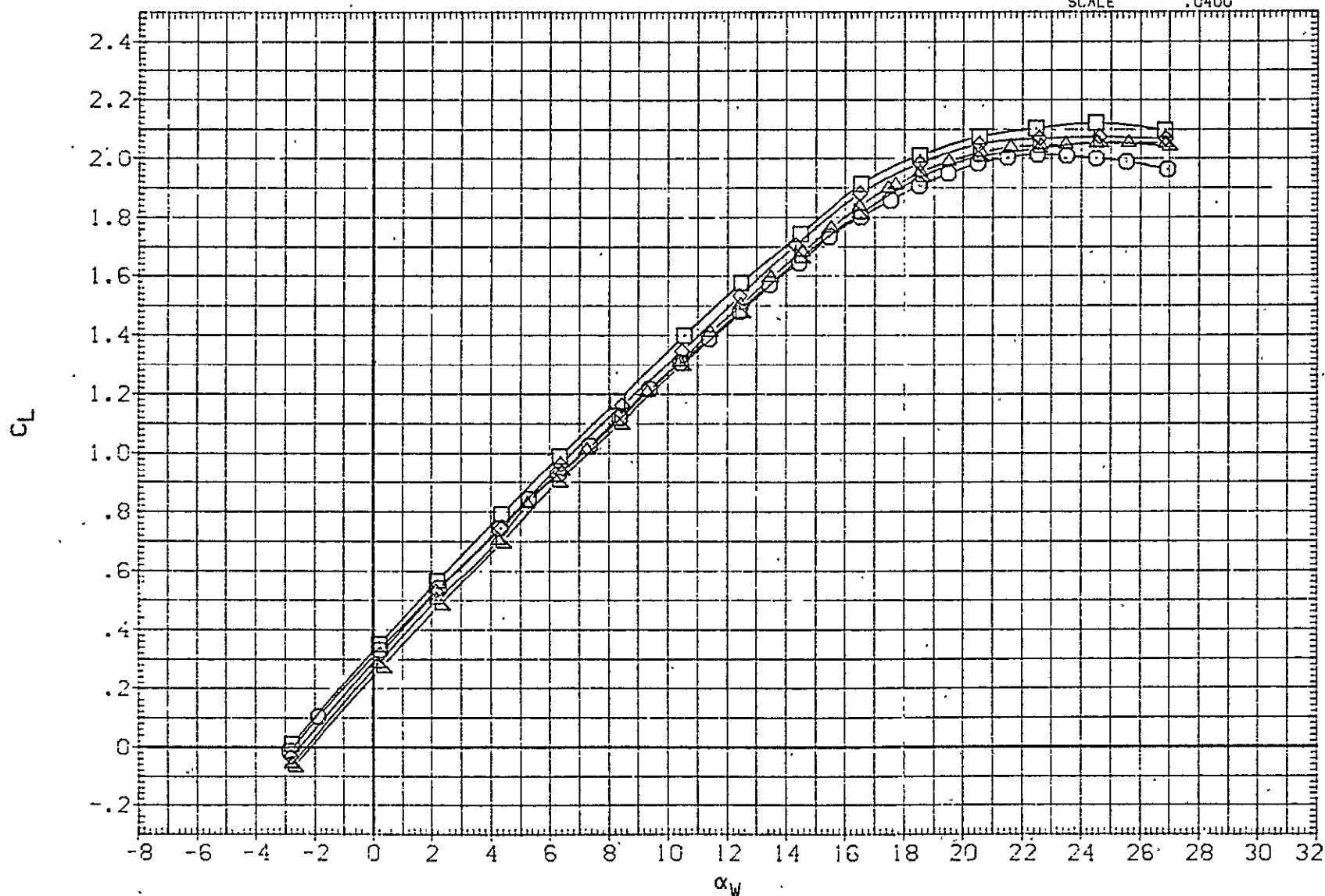


FIG 30 ALT CONFIG. STABILIZER EFFECTIVENESS, FLAPS 20, IORB=6, TC OFF, ELEV=-5
MAIN BALANCE DATA-ALPHA SWEEPS

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BETA	REFERENCE INFORMATION		
(RJF086)	○	(CA-8) K3V9.1.2TS5 F20TS402			.000	SREF	5500.0000	50.FT.
(RJF091)	□	(CA-8) K3V9.1.2TS5H15.6.1F20TS402	.000	3.000	.000	LREF	327.8000	IN.
(RJF080)	◇	(CA-8) K3V9.1.2TS5H15.6.1F20 TS402	.000	.000	.000	BREF	2348.0000	IN.
(RJF079)	△	(CA-8) K3V9.1.2TS5H15.6.1F20 TS402	.000	-2.000	.000	XMRP	1339.9100	IN.XC
(RJF078)	▽	(CA-8) K3V9.1.2TS5H15.6.1F20 TS402	.000	-4.000	.000	YMRP	.0000	IN.YC
						ZMRP	190.7500	IN.ZC
						SCALE	.0400	

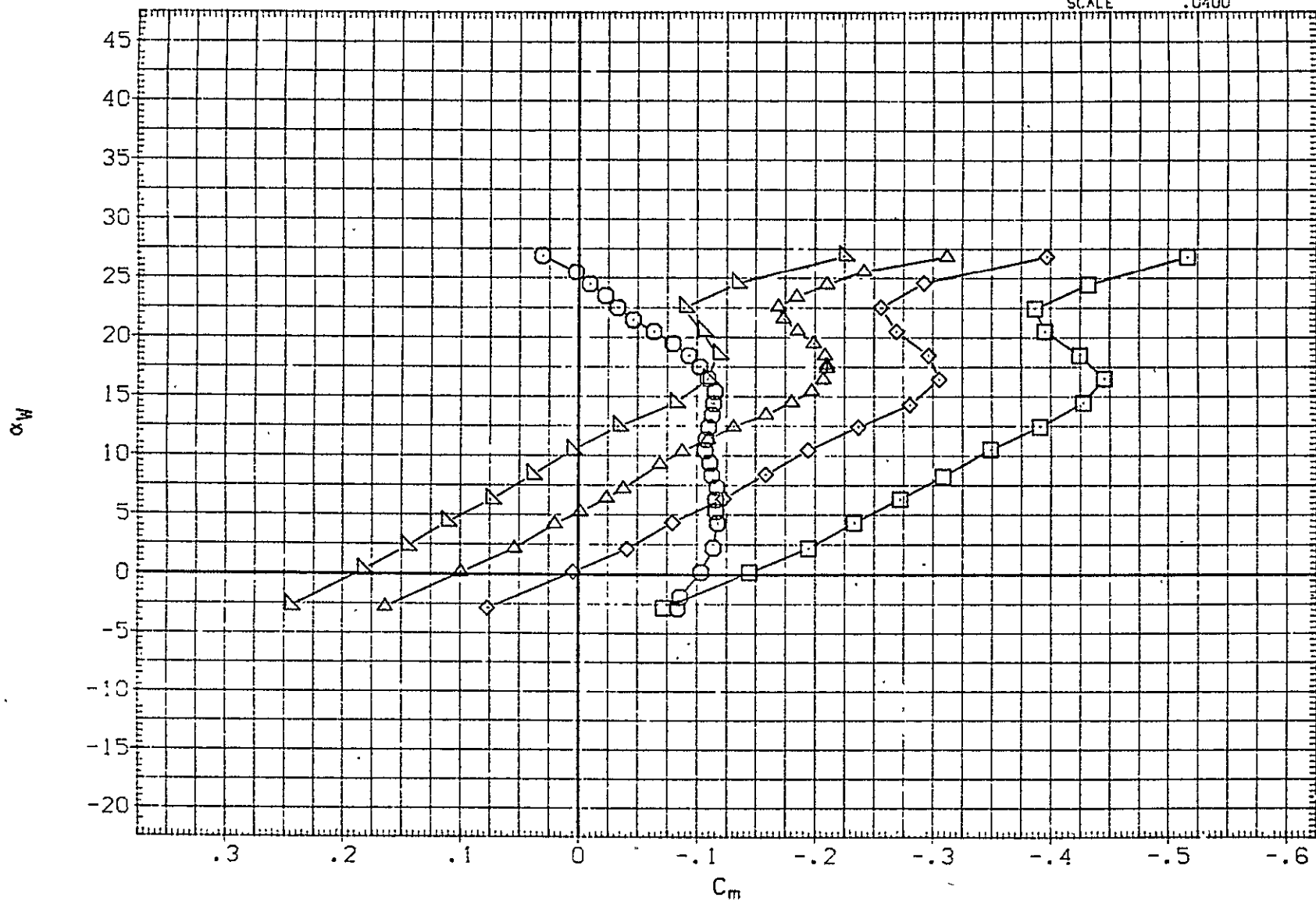


FIG 30 ALT CONFIG. STABILIZER EFFECTIVENESS, FLAPS 20, IORB=6, TC OFF, ELEV=-5
MAIN BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

ATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BETA	REFERENCE INFORMATION		
RJF086)	○	(CA-8) K3V9.1.2TS5 F20TS402			.000	SREF	5500.0000	SG.FT.
RJF081)	□	(CA-8) K3V9.1.2TS5H15.6.1F20TS402	.000	3.000	.000	LREF	327.8000	IN.
RJF080)	△	(CA-8) K3V9.1.2TS5H15.6.1F20 TS402	.000	.000	.000	BREF	2348.0000	IN.
RJF079)	◇	(CA-8) K3V9.1.2TS5H15.6.1F20 TS402	.000	-2.000	.000	XMPP	1339.9100	IN.XC
RJF078)	▽	(CA-8) K3V9.1.2TS5H15.6.1F20 TS402	.000	-4.000	.000	YMPP	.0000	IN.YC
						ZMRP	190.7500	IN.ZC
						SCALE	.0400	

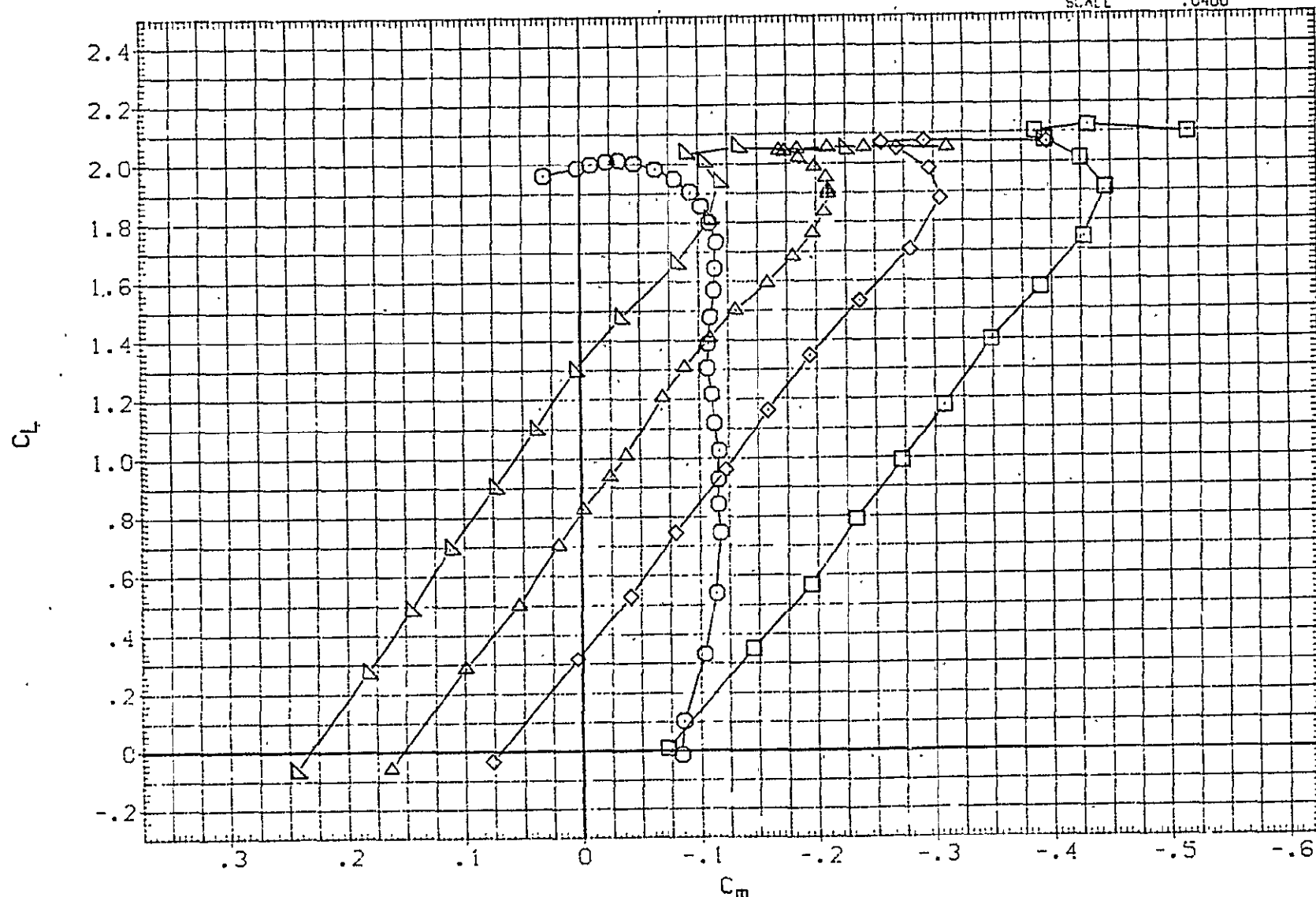


FIG 30 ALT CONFIG. STABILIZER EFFECTIVENESS, FLAPS 20, IORB=6, TC OFF, ELEV=-5
MAIN BALANCE DATA-ALPHA SWEEPS

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BETA	REFERENCE INFORMATION		
(R)FC86)	□	(CA-8) K3V9.1.2TS5 F20TS402			.000	SREF	5500.0000	SQ.FT.
(R)FC81)	□	(CA-8) K3V9.1.2TS5H15.6.1F20TS402	.000	3.000	.000	LREF	327.8000	IN.
(R)FC80)	×	(CA-8) K3V9.1.2TS5H15.6.1F20 TS402	.000	.000	.003	BREF	2348.0000	IN.
(R)FC79)	△	(CA-8) K3V9.1.2TS5H15.6.1F20 TS402	.000	-2.000	.003	XMRP	1339.9100	IN.XC
(R)FC78)	△	(CA-8) K3V9.1.2TS5H15.6.1F20 TS402	.000	-4.000	.003	YMRP	.0000	IN.YC
						ZMRP	190.7500	IN.ZC
						SCALE	.0400	

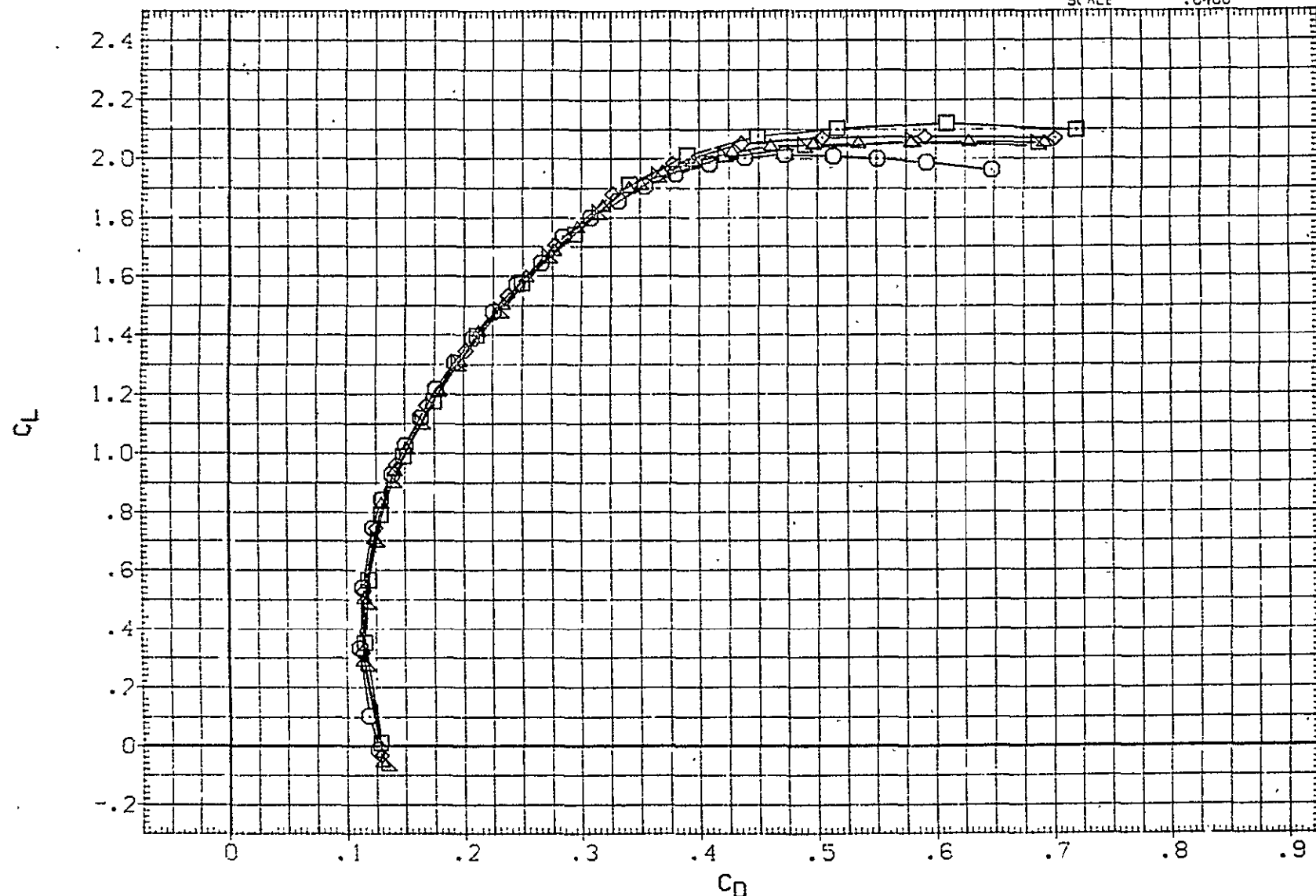


FIG 30 ALT CONFIG. STABILIZER EFFECTIVENESS, FLAPS 20, ICRB=6, TC OFF, ELEV=-5
MAIN BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

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REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

TA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BETA	REFERENCE INFORMATION	
NF077)	○	(CA-8) K3V9.1.2TS5H15.6.1F20G5.3.TS402	.000	-2.000	.000	SREF	5500.0000 SQ.FT.
NF079)	□	(CA-8) K3V9.1.2TS5H15.6.1F20 TS402	.000	-2.000	.000	LREF	327.8000 IN.
						BREF	2348.0000 IN.
						XMRP	1339.9100 IN.XC
						YMPP	.0000 IN.YC
						ZMRP	190.7500 IN.ZC
						SCALE	.0400

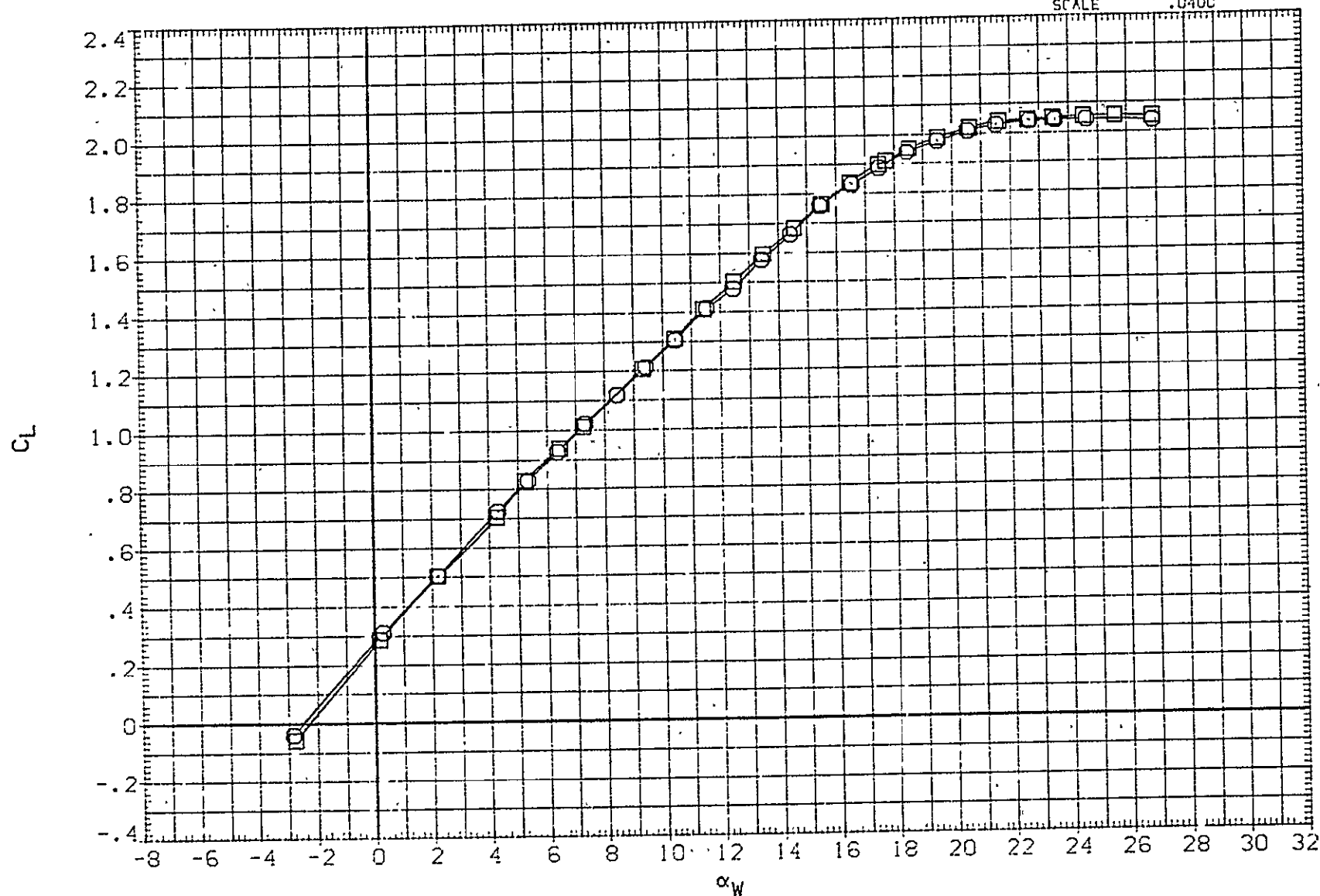


FIG 31 ALT CONFIG. EFFECT OF LANDING GEAR, FLAPS 20, IORB=6, TC OFF, ELEV=-5
MAIN BALANCE DATA-ALPHA SWEEPS

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BETA	REFERENCE INFORMATION	
(RJF077)	○	(CA-8) K3V9.1.2TS5H15.6.1F20G5.3.5TS402	.000	-2.000	.000	SREF	5500.0000 SQ.FT.
(RJF079)	□	(CA-8) K3V9.1.2TS5H15.6.1F20 TS402	.000	-2.000	.000	LREF	327.8000 IN.
						BREF	2348.0000 IN.
						XMRP	1339.9100 IN.XC
						YMRP	.0000 IN.YC
						ZMRP	190.7500 IN.ZC
						SCALE	.0400

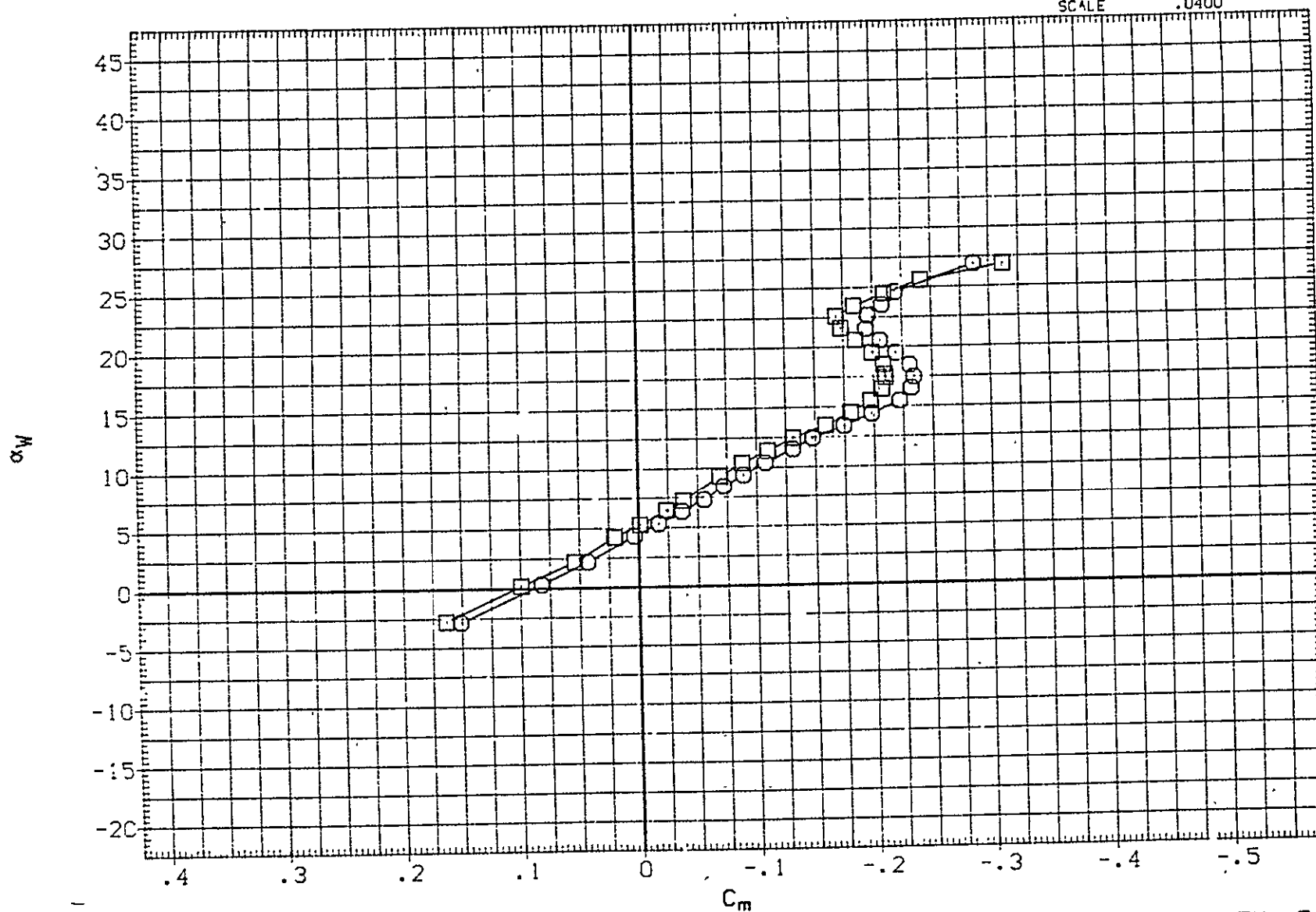


FIG 31 ALT CONFIG. EFFECT OF LANDING GEAR, FLAPS 20, IORB=6, TC OFF, ELEV=-5
MAIN BALANCE DATA-ALPHA SWEEPS

(A) MACH = .15

ATA SET	SYMBOL	CONFIGURATION DESCRIPTION
RJF077)	○	(CA-8) K3V9.1.2TS5H15.6.1F20G5.3.5TS402
RJF079)	□	(CA-8) K3V9.1.2TS5H15.6.1F20 TS402

ELEVTR	STAB	BETA
.000	-2.000	.000
.000	-2.000	.000

REFERENCE INFORMATION		
SREF	5500.0000	50.FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMPP	1339.9100	IN.XC
YMRP	.0000	IN.YC
ZMRP	190.7500	IN.ZC
SCALE	.0400	

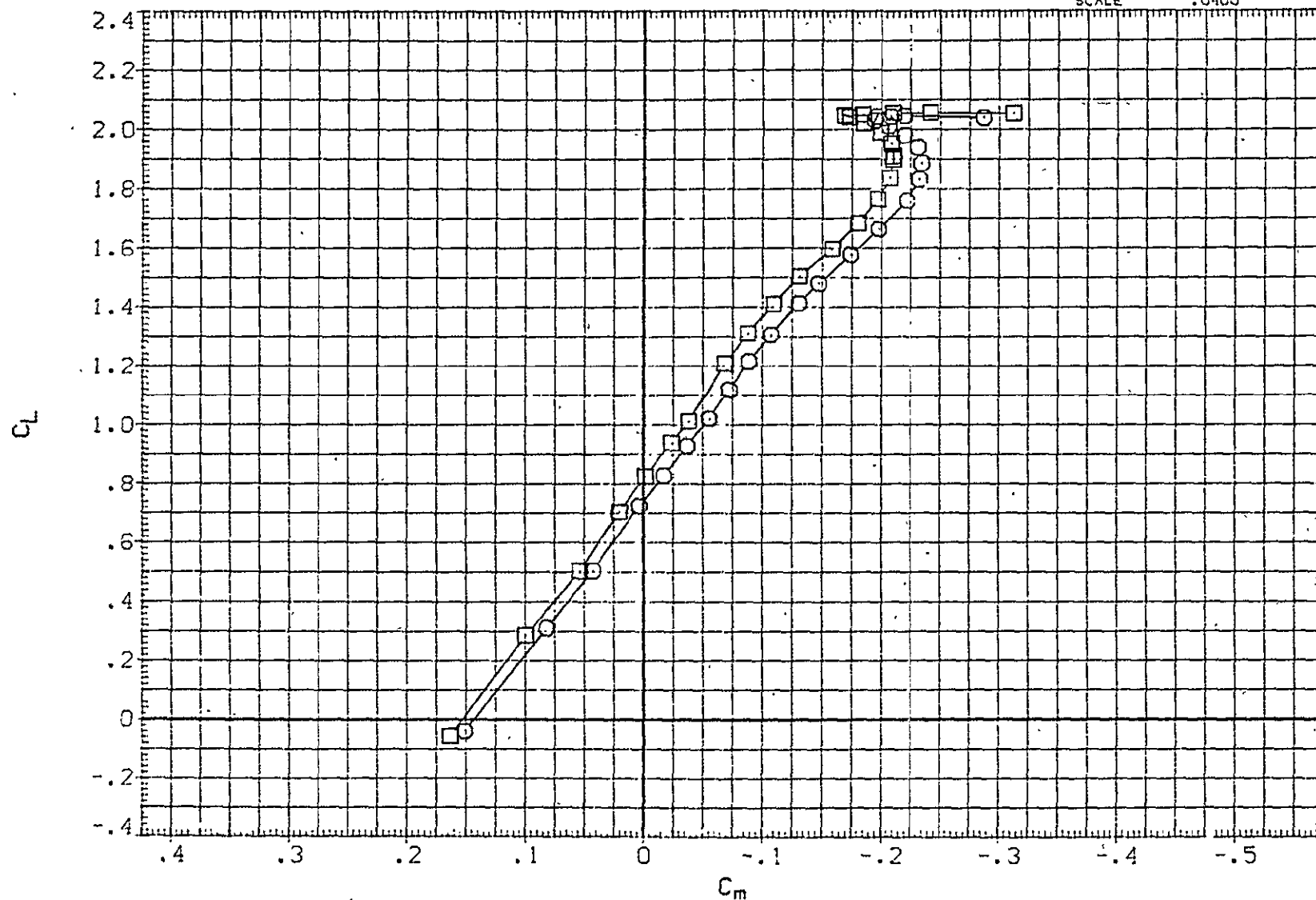


FIG 31 ALT CONFIG. EFFECT OF LANDING GEAR. FLAPS 20, IORB=6, TC OFF, ELEV=-5
MAIN BALANCE DATA-ALPHA SWEEPS

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RJF077)	○	(CA-8) K3V9.1.2TS5H15.6.1F20G5.3.5TS402
(RJF079)	□	(CA-8) K3V9.1.2TS5H15.6.1F20 TS402

ELEVTR	STAB	BETA
.000	-2.000	.000
.000	-2.000	.000

REFERENCE INFORMATION		
SREF	5500.0000	50.FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMRP	1339.9100	IN.XC
YMRP	.0000	IN.YC
ZMRP	190.7500	IN.ZC
SCALE	.0400	

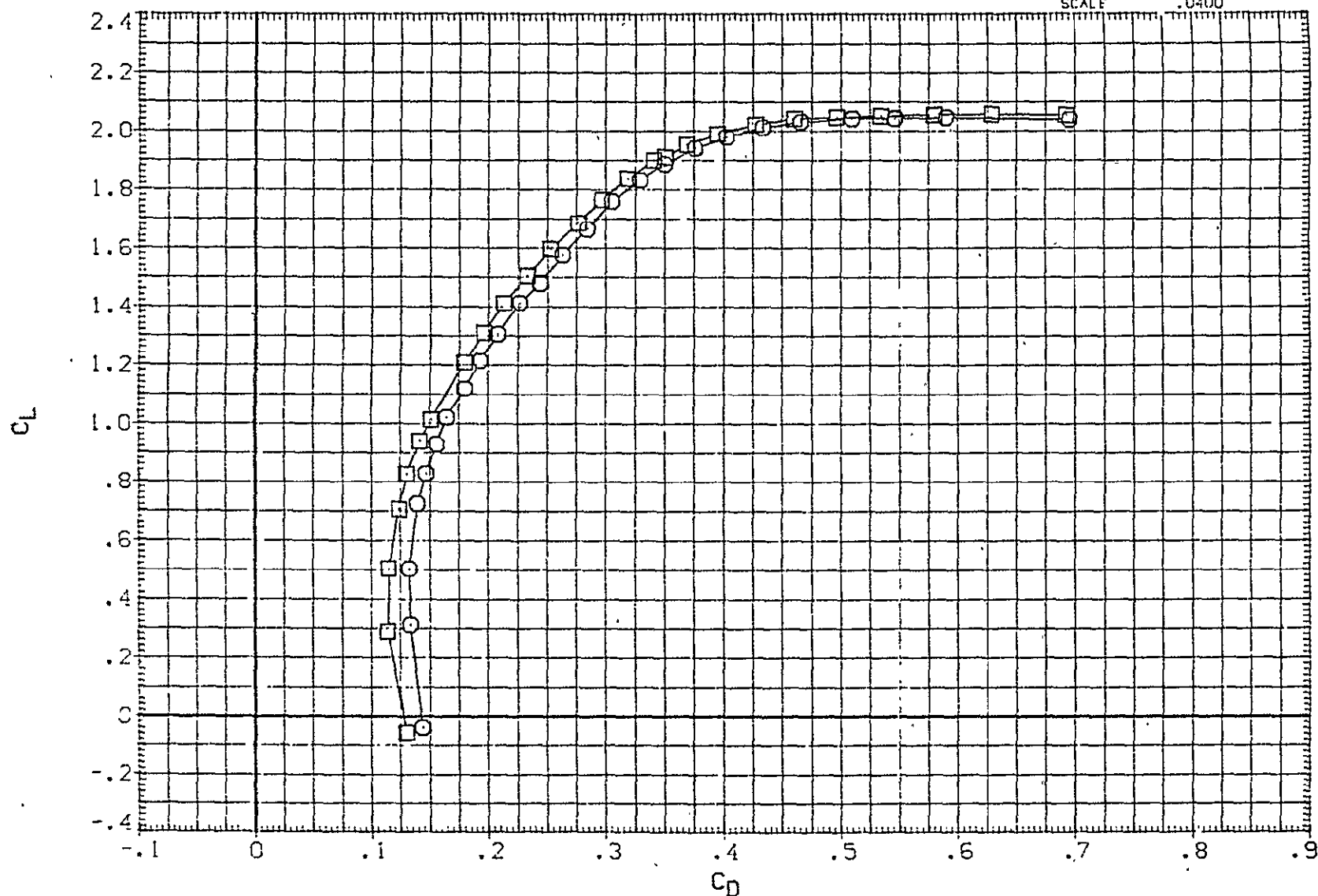


FIG 31 ALT CONFIG. EFFECT OF LANDING GEAR, FLAPS 20, IORB=6, TC OFF, ELEV=-5
 MAIN BALANCE DATA-ALPHA SWEEPS

(A) MACH = .15

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DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BETA	REFERENCE INFORMATION		
RJF100)	○	(CA-8) K3.1V9.1.2TS5H15.6.1F20TS402	17.000	-4.000	.000	SREF	5500.0000	SQ.FT.
RJF078)	□	(CA-8) K3V9.1.2TS5H15.6.1F20 TS402	.000	-4.000	.000	LREF	327.8000	IN.
RJF101)	◇	(CA-8) K3.1V9.1.2TS5H15.6.1F20TS402	-23.000	-4.000	.000	BREF	2348.0000	IN.
						XMRP	1339.9100	IN.XC
						YMRP	.0000	IN.YC
						ZMRP	190.7500	IN.ZC
						SCALE	.0400	

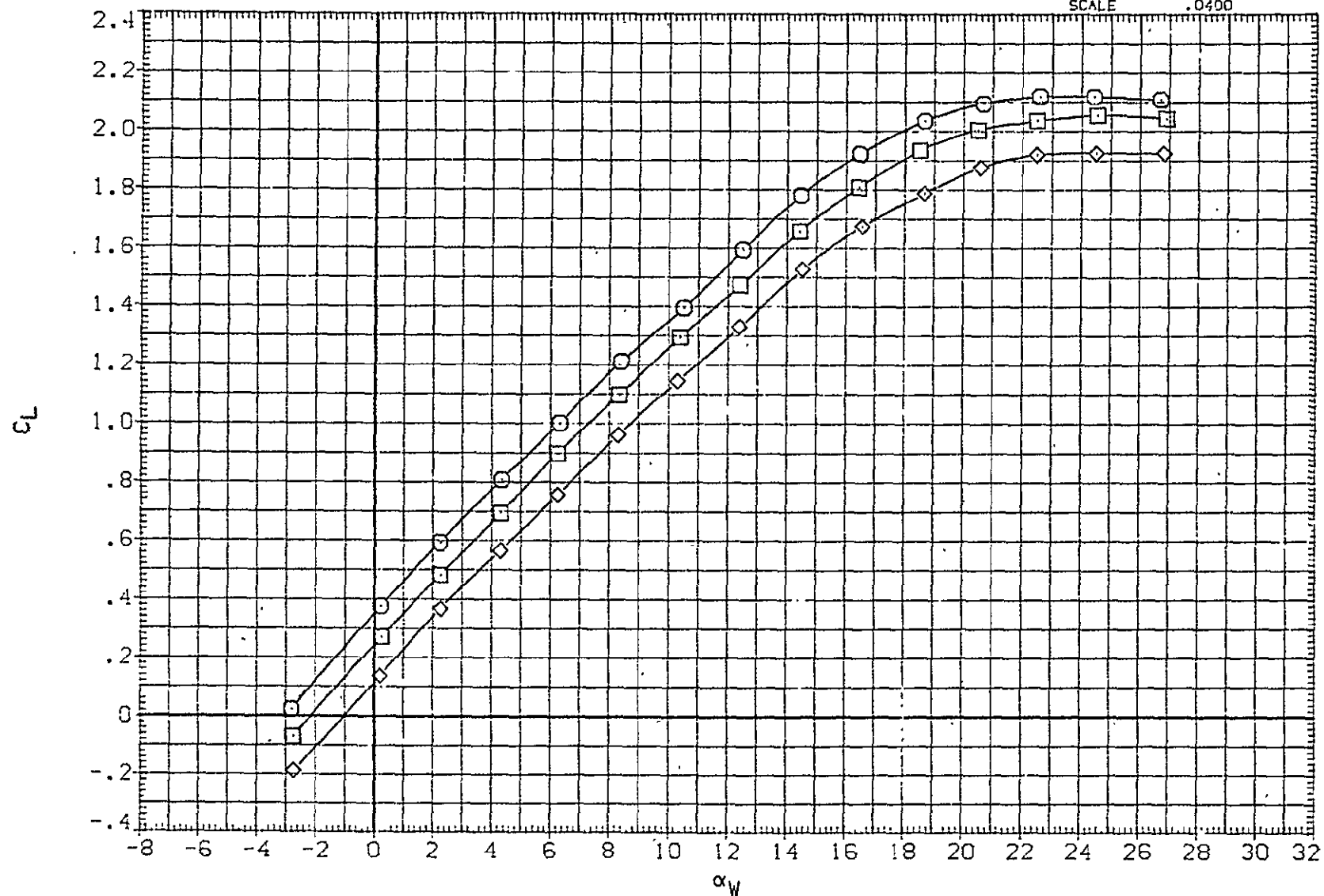


FIG 32 ALT CONFIG. ELEVATOR EFFECTIVENESS, FLAPS 20, IORB=6, TC OFF, ELEV=-5
MAIN BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RJF100)	○	(CA-8) K3.1V9.1.2TS5H15.6.1F20TS402
(RJF078)	□	(CA-8) K3V9.1.2TS5H15.6.1F20 TS402
(RJF101)	◇	(CA-8) K3.1V9.1.2TS5H15.6.1F20TS402

ELEVTR	STAB	BETA
17.000	-4.000	.000
.000	-4.000	.000
-23.000	-4.000	.000

REFERENCE INFORMATION		
SREF	5500.0000	SQ.FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMRP	1339.9100	IN.XC
YMRP	.0000	IN.YC
ZMRP	190.7500	IN.ZC
SCALE	.0400	

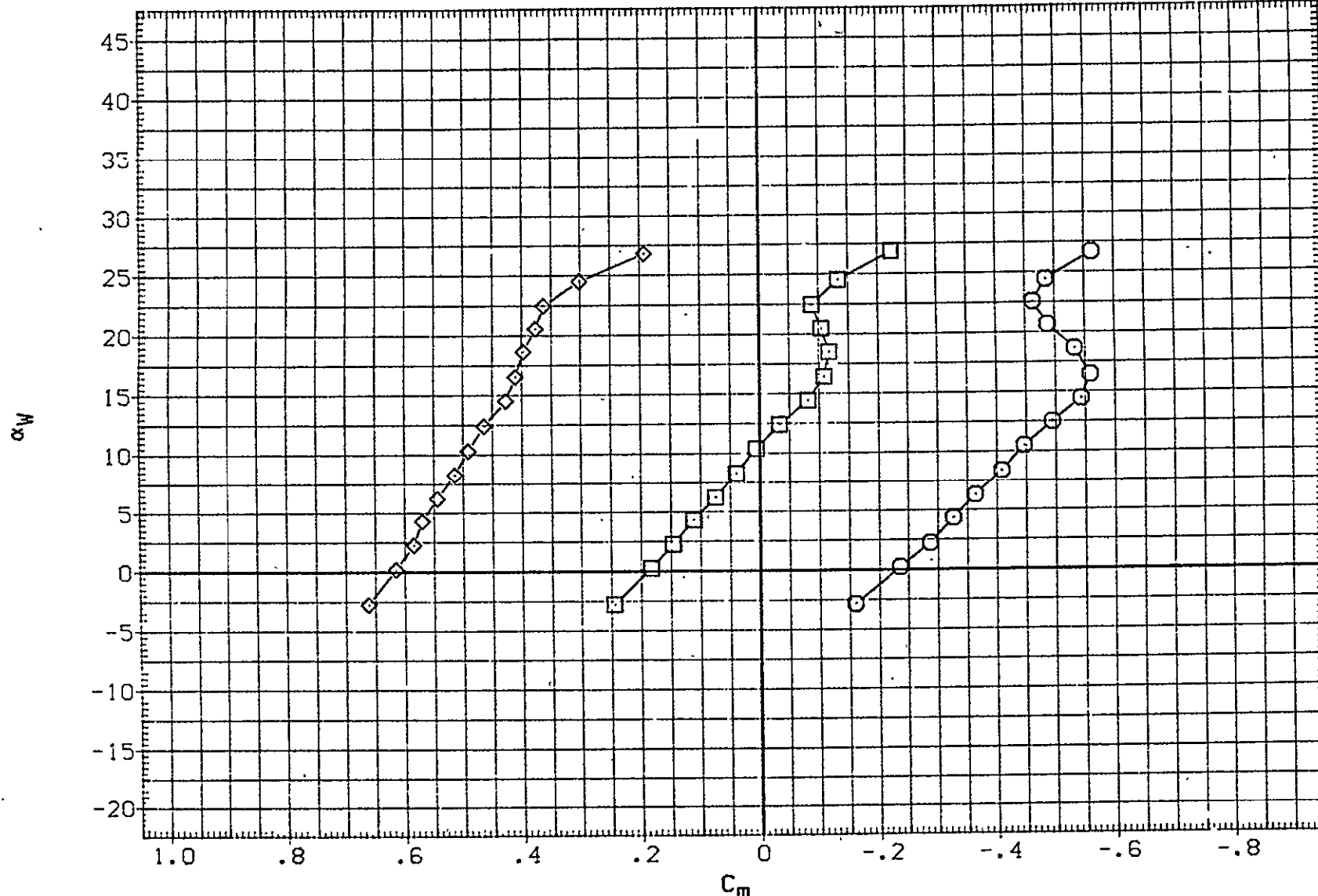


FIG 32 ALT CONFIG. ELEVATOR EFFECTIVENESS, FLAPS 20, IORB=6, TC OFF, ELEV=-5
MAIN BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

ATA SET	SYMBOL	CONFIGURATION DESCRIPTION
RJF100	○	(CA-8) K3.1V9.1.2TSSH15.6.1F20TS402
RJF078	□	(CA-8) K3V9.1.2TSSH15.6.1F20 TS402
RJF101	◇	(CA-8) K3.1V9.1.2TSSH15.6.1F20TS402

ELEVTR	STAB	BETA
17.000	-4.000	.000
.000	-4.000	.000
-23.000	-4.000	.000

REFERENCE INFORMATION		
SREF	5500.0000	50. FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMRP	1339.9100	IN. XC
YMRP	.0000	IN. YC
ZMRP	190.7500	IN. ZC
SCALE	.0400	

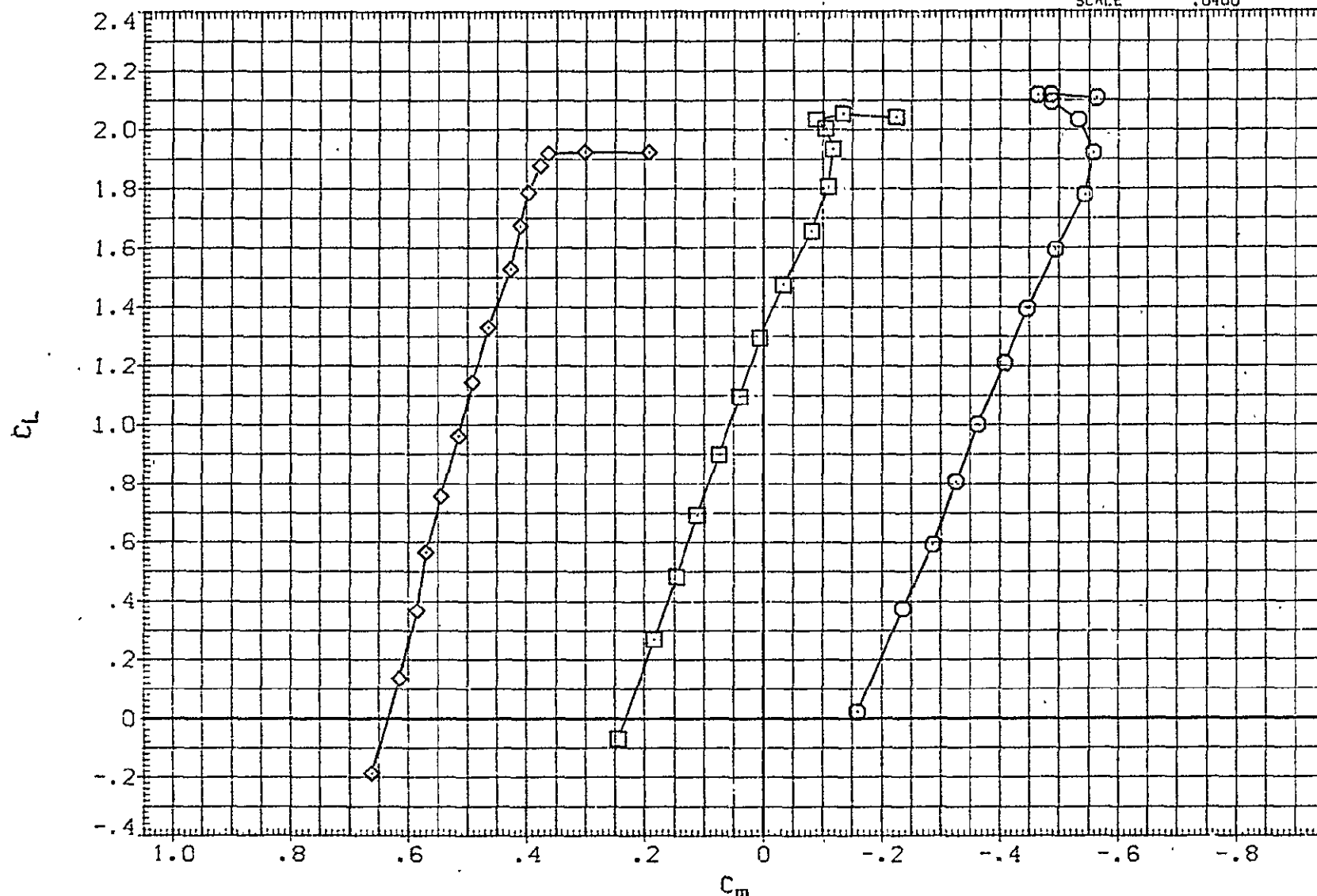


FIG 32 ALT CONFIG. ELEVATOR EFFECTIVENESS, FLAPS 20, IORB=6, TC OFF, ELEV=-5
MAIN BALANCE DATA-ALPHA SWEEPS

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RJF100)	○	(CA-8) K3.1V9.1.2TS5H15.6.1F20TS402
(RJF078)	□	(CA-8) K3V9.1.2TS5H15.6.1F20 TS402
(RJF101)	◇	(CA-8) K3.1V9.1.2TS5H15.6.1F20TS402

ELEVTR	STAB	BETA
17.000	-4.000	.000
.000	-4.000	.000
-23.000	-4.000	.000

REFERENCE INFORMATION		
SREF	5500.0000	SQ.FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMRP	1339.9100	IN.XC
YMRP	.0000	IN.YC
ZMRP	190.7500	IN.ZC
SCALE	.0400	

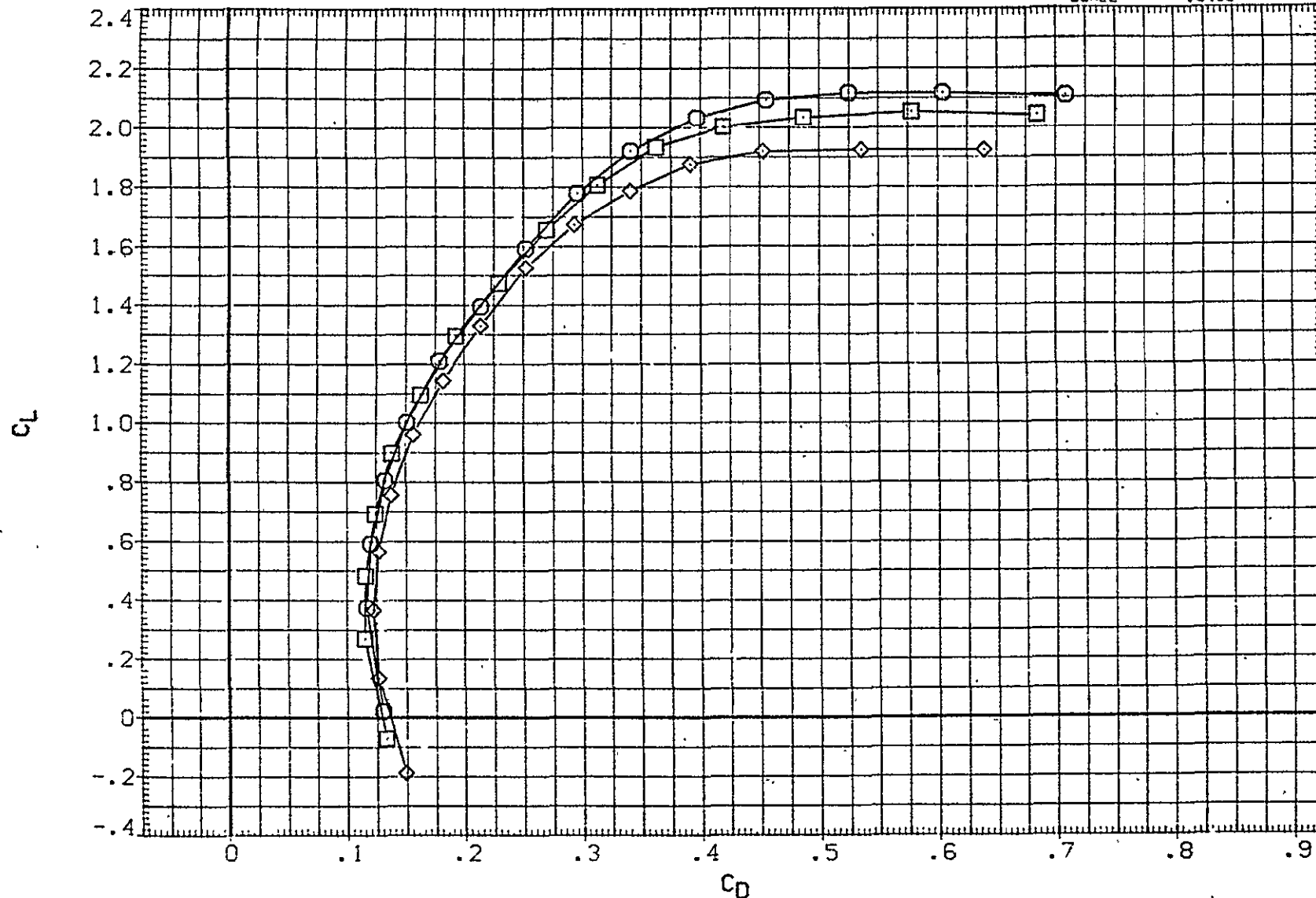


FIG 32 ALT CONFIG. ELEVATOR EFFECTIVENESS, FLAPS 20, ICRB=6, TC OFF, ELEV=-5
MAIN BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BETA	REFERENCE INFORMATION		
(RJF072)	○	(CA-8) K3V9.1.2TS5 F30G5.3.5TS402			.000	SREF	5500.0000	SG.FT.
(RJF069)	□	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402	.000	.000	.000	LREF	327.8000	IN.
(RJF067)	◇	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402	.000	-2.000	.000	BREF	2348.0000	IN.
(RJF068)	△	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402	.000	-4.000	.000	XMRP	1339.9100	IN.XC
						YMRP	.0000	IN.YC
						ZMRP	190.7500	IN.ZC
						SCALE	.0400	

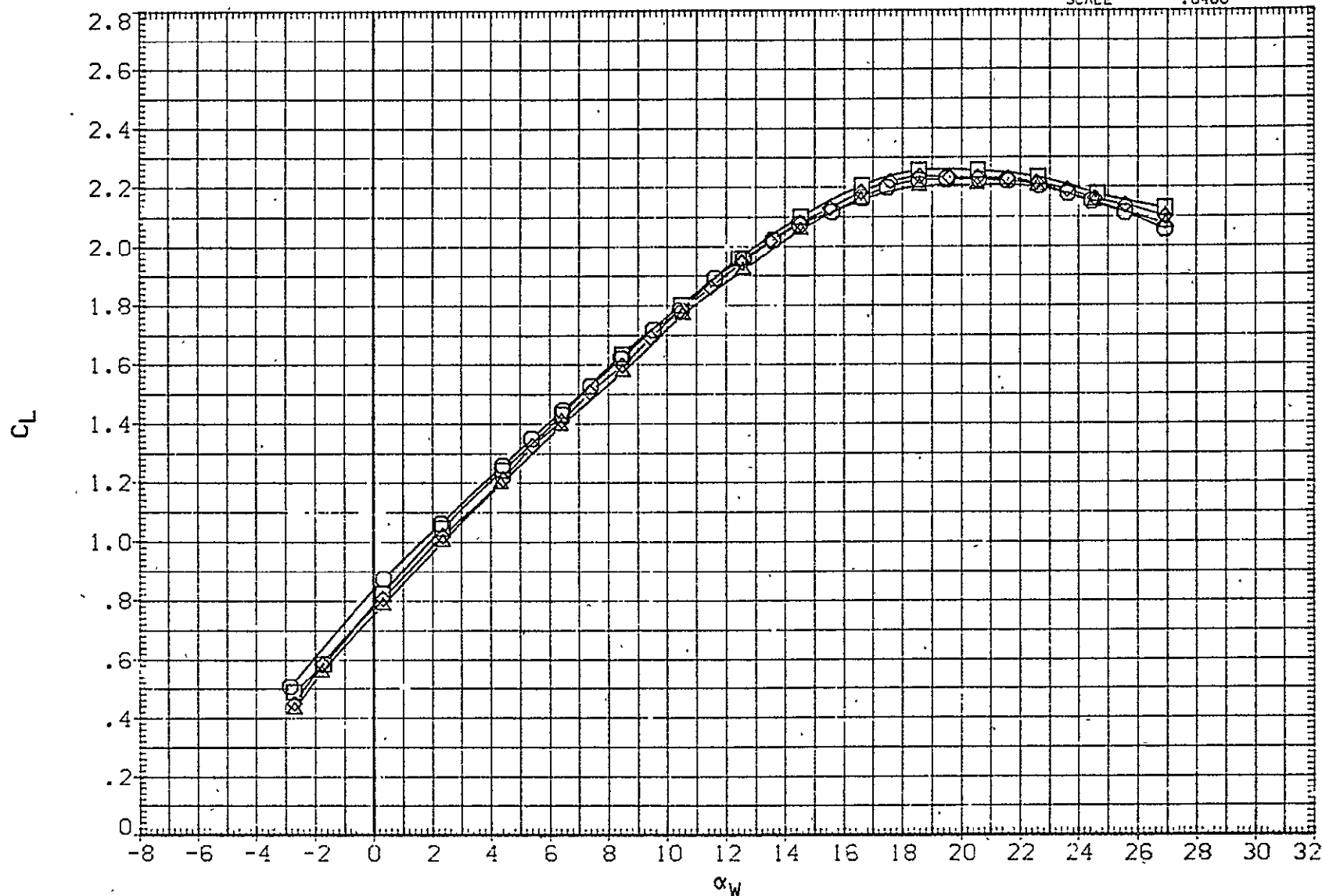


FIG 33 ALT CONFIG. STABILIZER EFFECTIVENESS. FLAPS 30. IORB=6.TC OFF. ELEV=-5
MAIN BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BETA	REFERENCE INFORMATION		
(RJF072)	○	(CA-8) K3V9.1.2TS5 F30G5.3.5TS402			.000	SREF	5500.0000	SQ.FT.
(RJF069)	□	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402	.000	.000	.000	LREF	327.8000	IN.
(RJF067)	◇	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402	.000	-2.000	.000	BREF	2348.0000	IN.
(RJF068)	△	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402	.000	-4.000	.000	XMRP	1339.9100	IN.XC
						YMRP	.0000	IN.YC
						ZMRP	190.7500	IN.ZC
						SCALE	.0400	

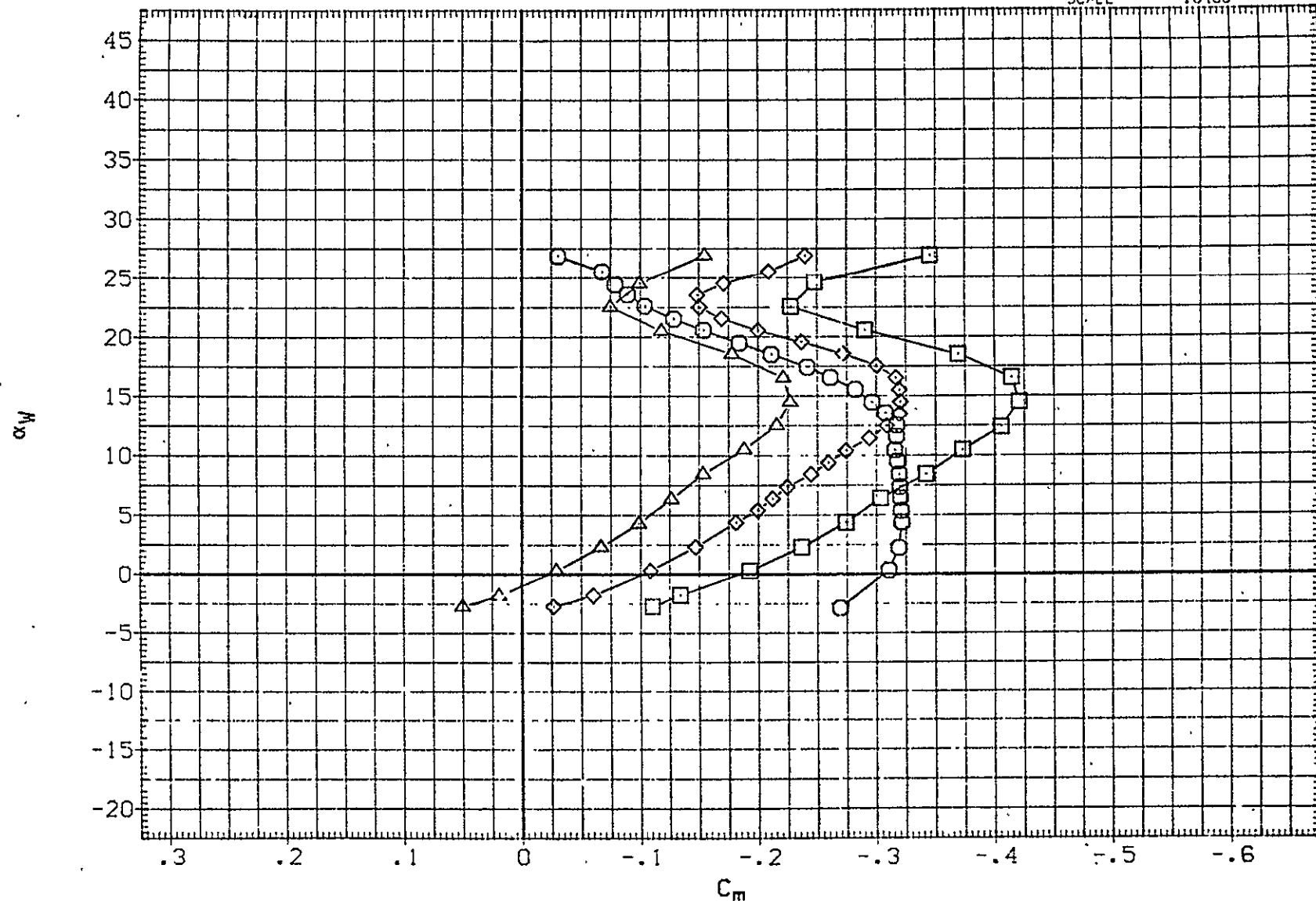


FIG 33 ALT CONFIG. STABILIZER EFFECTIVENESS, FLAPS 30, IORB=6, TC OFF, ELEV=-5
MAIN BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RJF072)	○	(CA-8) K3V9.1.2TS5 F30G5.3.5TS402
(RJF069)	□	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402
(RJF067)	◇	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402
(RJF068)	△	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402

ELEVTR	STAB	BETA
.000	.000	.000
.000	-2.000	.000
.000	-4.000	.000

REFERENCE INFORMATION		
SPEF	5500.0000	SQ.FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMRP	1339.9100	IN.XC
YMRP	.0000	IN.YC
ZMRP	190.7500	IN.ZC
SCALE	.0400	

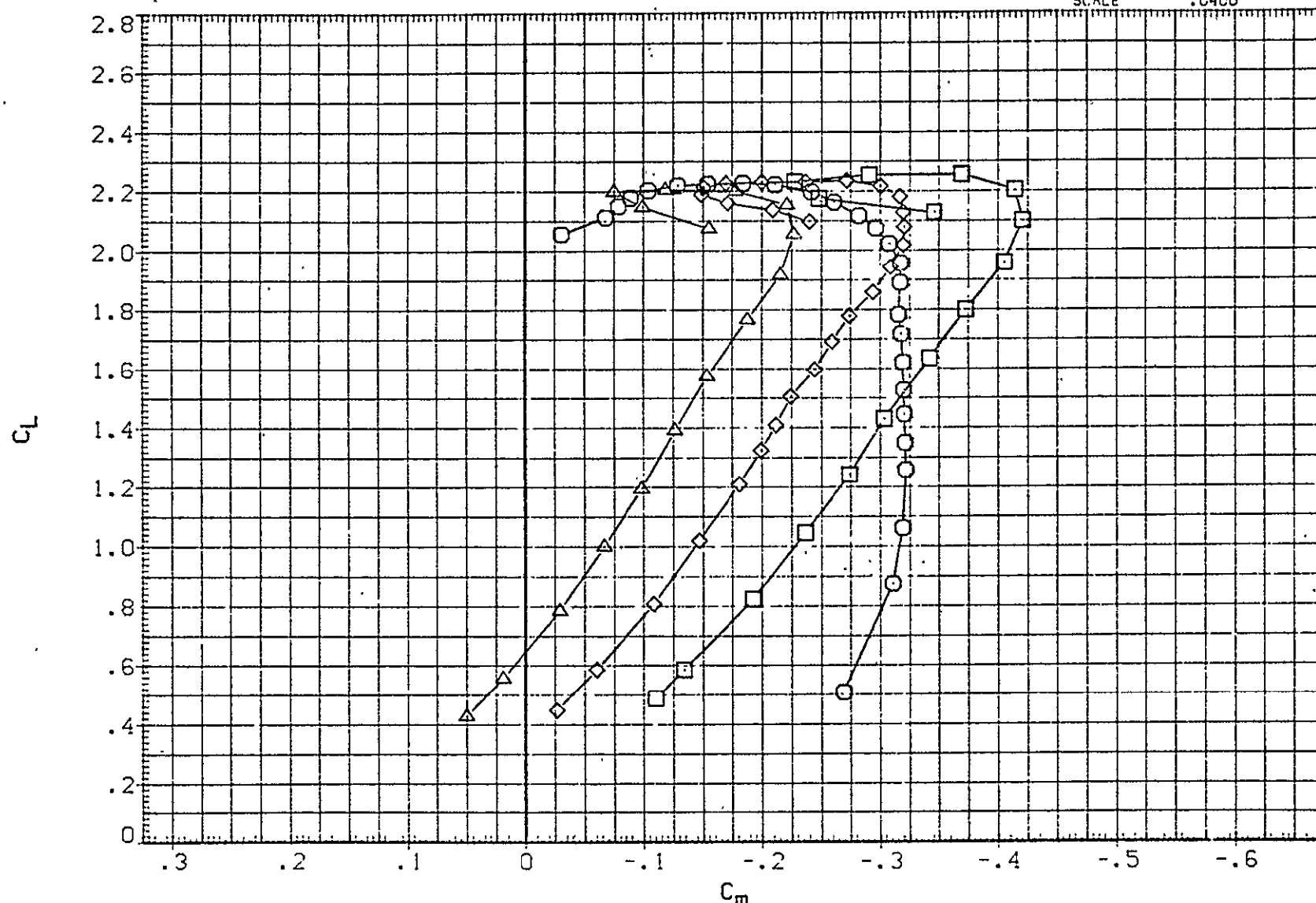


FIG 33 ALT CONFIG. STABILIZER EFFECTIVENESS, FLAPS 30, IORB=6, TC OFF, ELEV=-5
MAIN BALANCE DATA-ALPHA SWEEPS

(A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BETA	REFERENCE INFORMATION		
{RJF072}	○	{CA-8} K3V9.1.2TS5 F30G5.3.5TS402			.000	SREF	5500.0000	SQ.FT..
{RJF069}	□	{CA-8} K3V9.1.2TS5H15.6.1F30G5.3.5TS402	.000	.000	.000	LREF	327.8000	IN.
{RJF067}	◇	{CA-8} K3V9.1.2TS5H15.6.1F30G5.3.5TS402	.000	-2.000	.000	BREF	2348.0000	IN.
{RJFC68}	△	{CA-8} K3V9.1.2TS5H15.6.1F30G5.3.5TS402	.000	-4.000	.000	XMRP	1339.9100	IN.XC
						YMRP	.0000	IN.YC
						ZMRP	190.7500	IN.ZC
						SCALE	.0400	

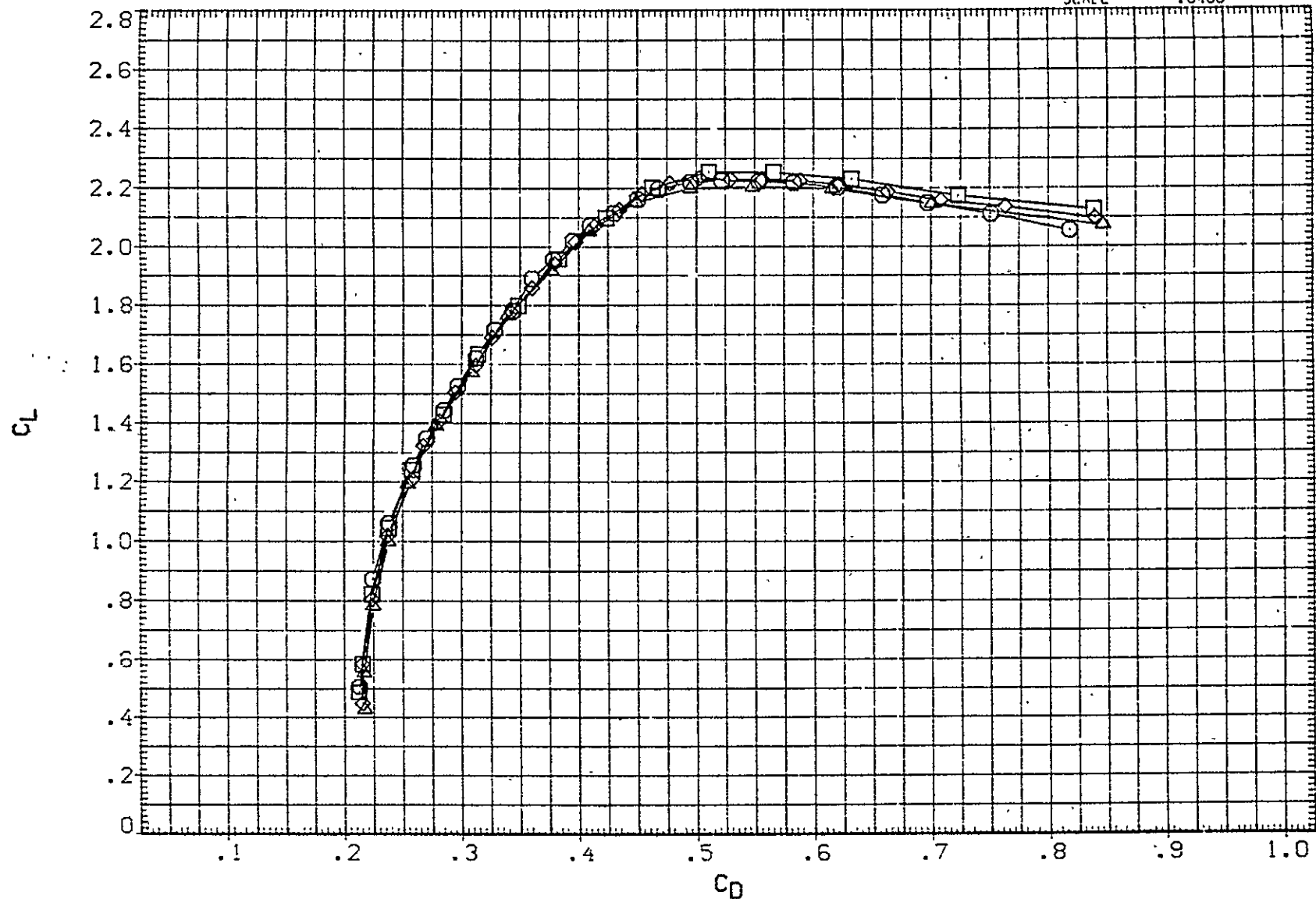


FIG 33 ALT CONFIG. STABILIZER EFFECTIVENESS, FLAPS 30, IORB=6, TC OFF, ELEV=-5
MAIN BALANCE DATA-ALPHA SWEEPS

{A}MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RJF067)	○	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402
(RJF071)	□	(CA-8) K3V9.1.2TS5H15.6.1F30 TS402

ELEVTR	STAB	BETA
.000	-2.000	.000
.000	-2.000	.000

REFERENCE INFORMATION	
SREF	5500.0000 SQ. FT.
LREF	327.8000 IN.
BREF	2348.0000 IN.
XMRP	1339.9100 IN. XC
YMRP	.0000 IN. YC
ZMRP	190.7500 IN. ZC
SCALE	.0400

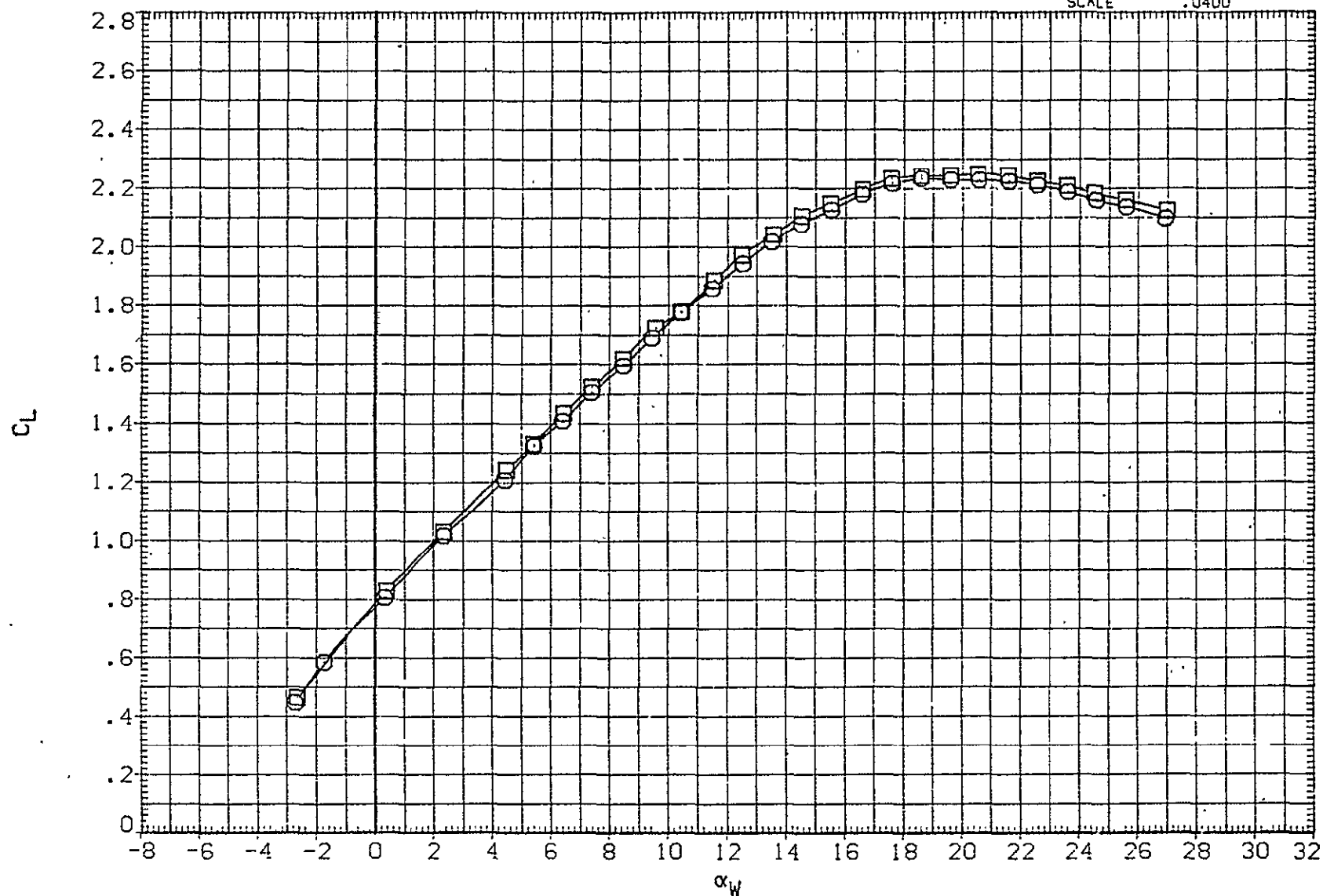


FIG 34 ALT CONFIG. EFFECT OF LANDING GEAR. FLAPS 30. IORB=6.TC OFF, ELEV=-5
MAIN BALANCE DATA-ALPHA SWEEPS

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RJF067)	○	(CA-8) K3V9.1.2T55H15.6.1F30G5.3.5TS402
(RJF071)	□	(CA-8) K3V9.1.2T55H15.6.1F30 TS402

ELEVTR	STAB	BETA
.000	-2.000	.000
.000	-2.000	.000

REFERENCE INFORMATION		
SREF	5500.0000	50.FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMRP	1339.9100	IN.XC
YMRP	.0000	IN.YC
ZMRP	190.7500	IN.ZC
SCALE	.0400	

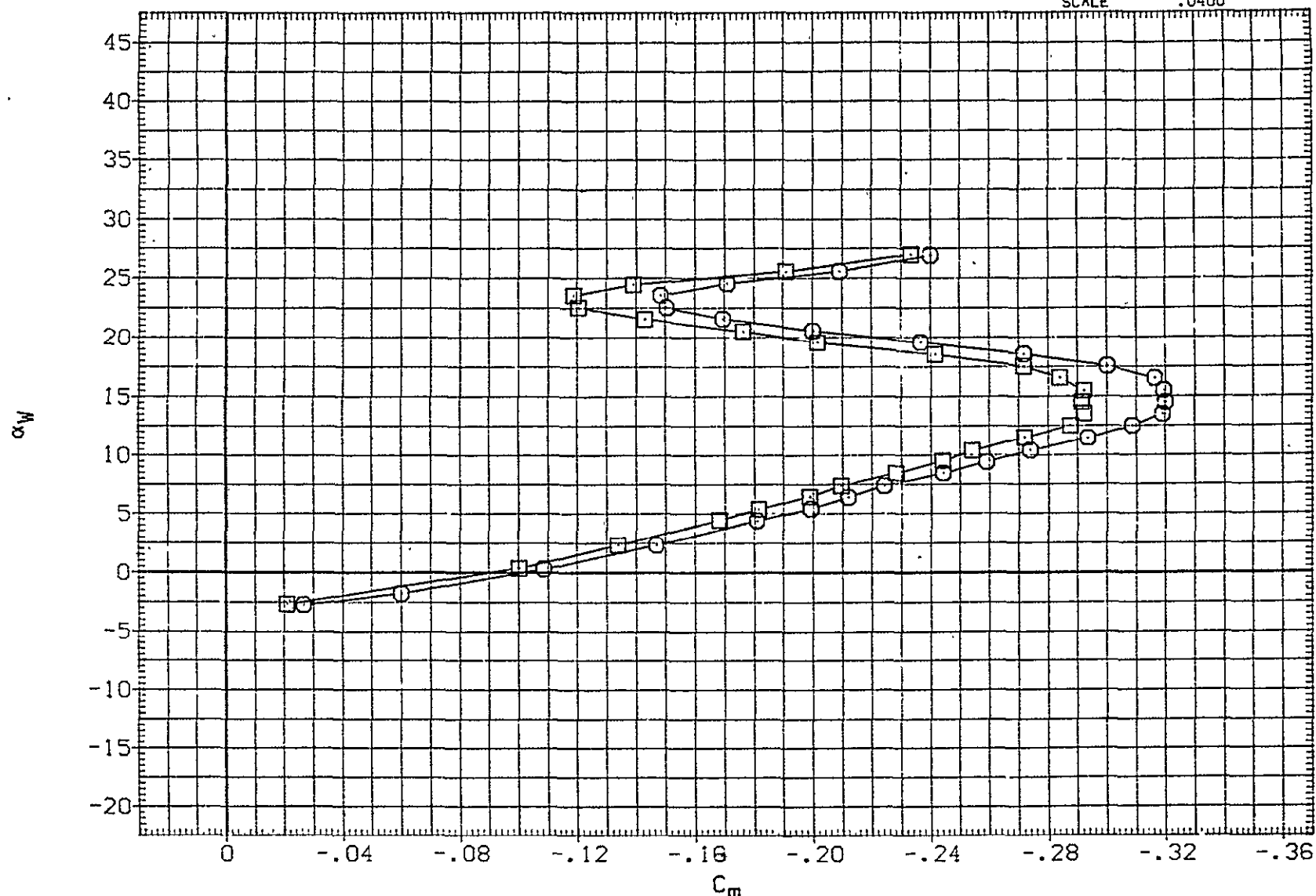


FIG 34 ALT CONFIG. EFFECT OF LANDING GEAR, FLAPS 30, IORB=6, TC OFF, ELEV=-5
MAIN BALANCE DATA-ALPHA SWEEPS

(A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
[RJF067]	○	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402
[RJF071]	□	(CA-8) K3V9.1.2TS5H15.6.1F30 TS402

ELEVTR	STAB	BETA
.000	-2.000	.000
.000	-2.000	.000

REFERENCE INFORMATION		
SREF	5500.0000	SQ.FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMRP	1339.9100	IN.XC
YMRP	.0000	IN.YC
ZMRP	190.7500	IN.ZC
SCALE	.0400	

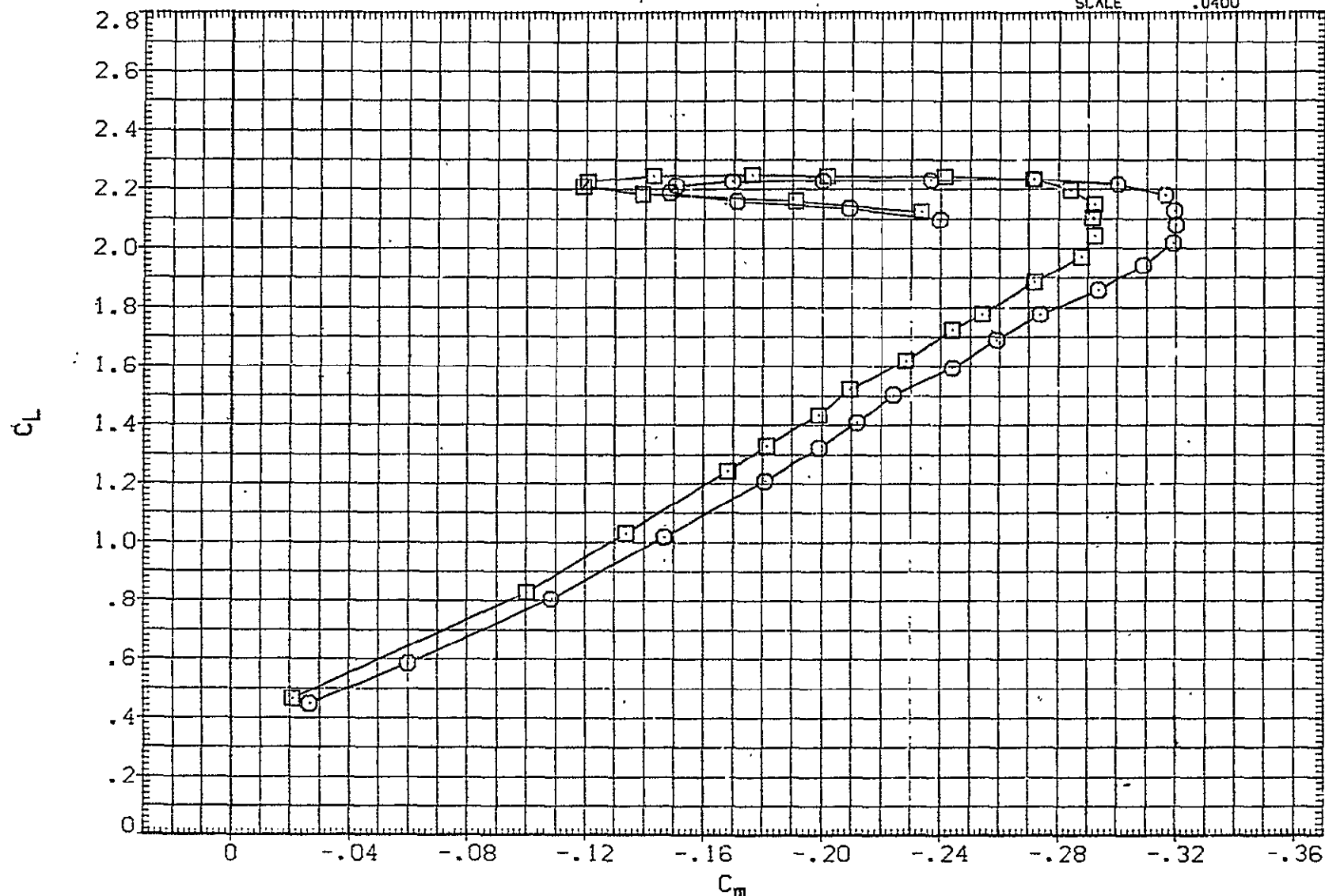


FIG 34 ALT CONFIG. EFFECT OF LANDING GEAR, FLAPS 30, IORB=6.TC OFF, ELEV=-5
MAIN BALANCE DATA-ALPHA SWEEPS

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(PJF067)	○	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402
(RJF071)	□	(CA-8) K3V9.1.2TS5H15.6.1F30 TS402

ELEVTR	STAB	BETA
.000	-2.000	.000
.000	-2.000	.000

REFERENCE INFORMATION		
SREF	5500.0000	SQ.FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMRP	1339.9100	IN.XC
YMRP	.0000	IN.YC
ZMRP	190.7500	IN.ZC
SCALE	.0400	

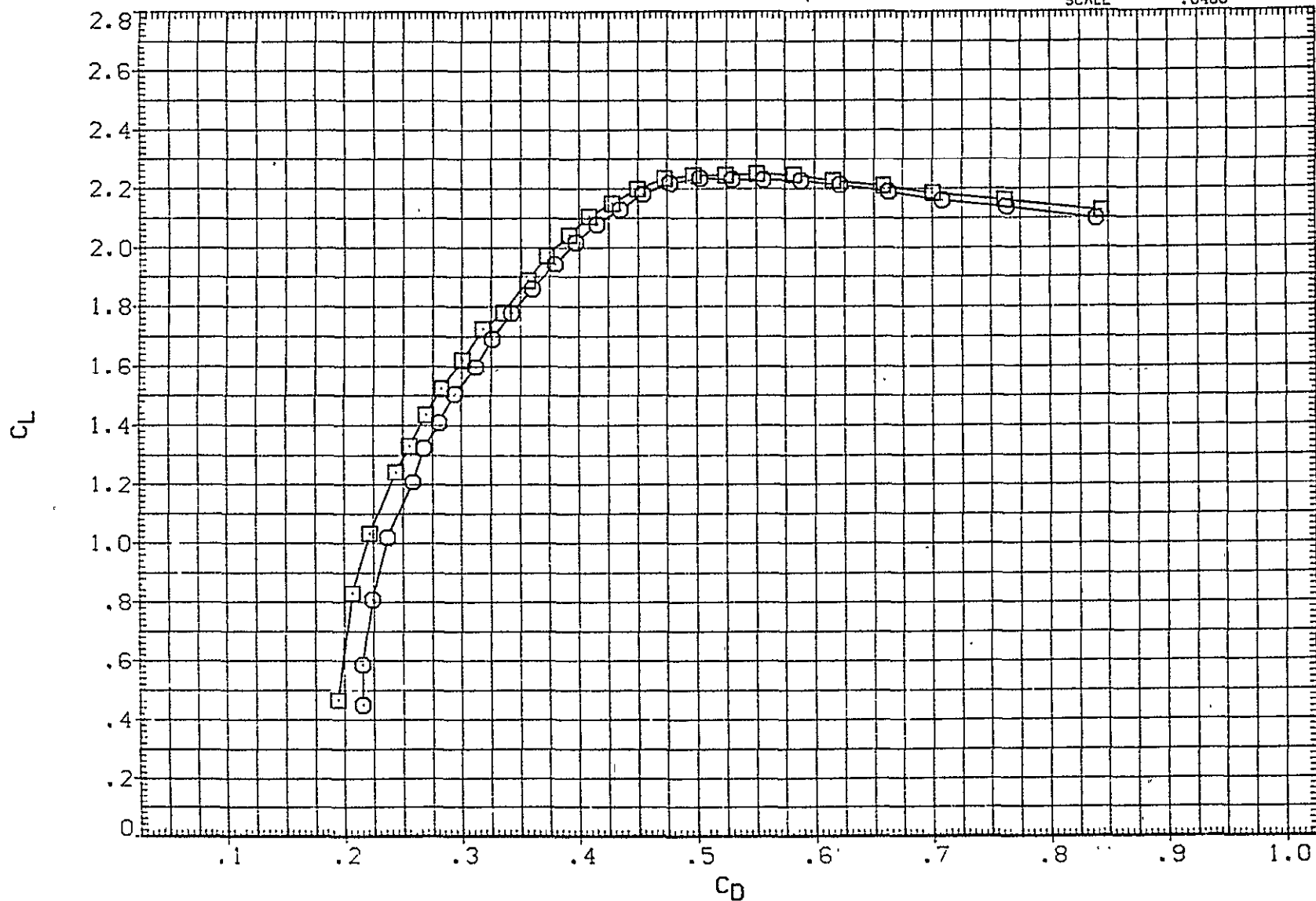


FIG 34 ALT CONFIG. EFFECT OF LANDING GEAR, FLAPS 30, ICRB=6.TC OFF, ELEV=-5
MAIN BALANCE DATA-ALPHA SWEEPS

(A) MACH = .15

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DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BETA	REFERENCE INFORMATION		
(RJF066)	○	(CA-8) K3V9.1.2T55H15.6.1F30G5.3.5TS402	17.000	-2.000	.000	SREF	5500.0000	50. FT.
(RJF065)	◇	(CA-8) K3V9.1.2T55H15.6.1F30G5.3.5TS402	10.000	-2.000	.000	LREF	327.8000	IN.
(RJF067)	□	(CA-8) K3V9.1.2T55H15.6.1F30G5.3.5TS402	.000	-2.000	.000	BREF	2348.0000	IN.
(RJF064)	△	(CA-8) K3V9.1.2T55H15.6.1F30G5.3.5TS402	-10.000	-2.000	.000	XMRP	1339.9100	IN. XC
(RJF063)	▽	(CA-8) K3V9.1.2T55H15.6.1F30G5.3.5TS402	-23.000	-2.000	.000	YMRP	.0000	IN. YC
						ZMRP	190.7500	IN. ZC
						SCALE	.0400	

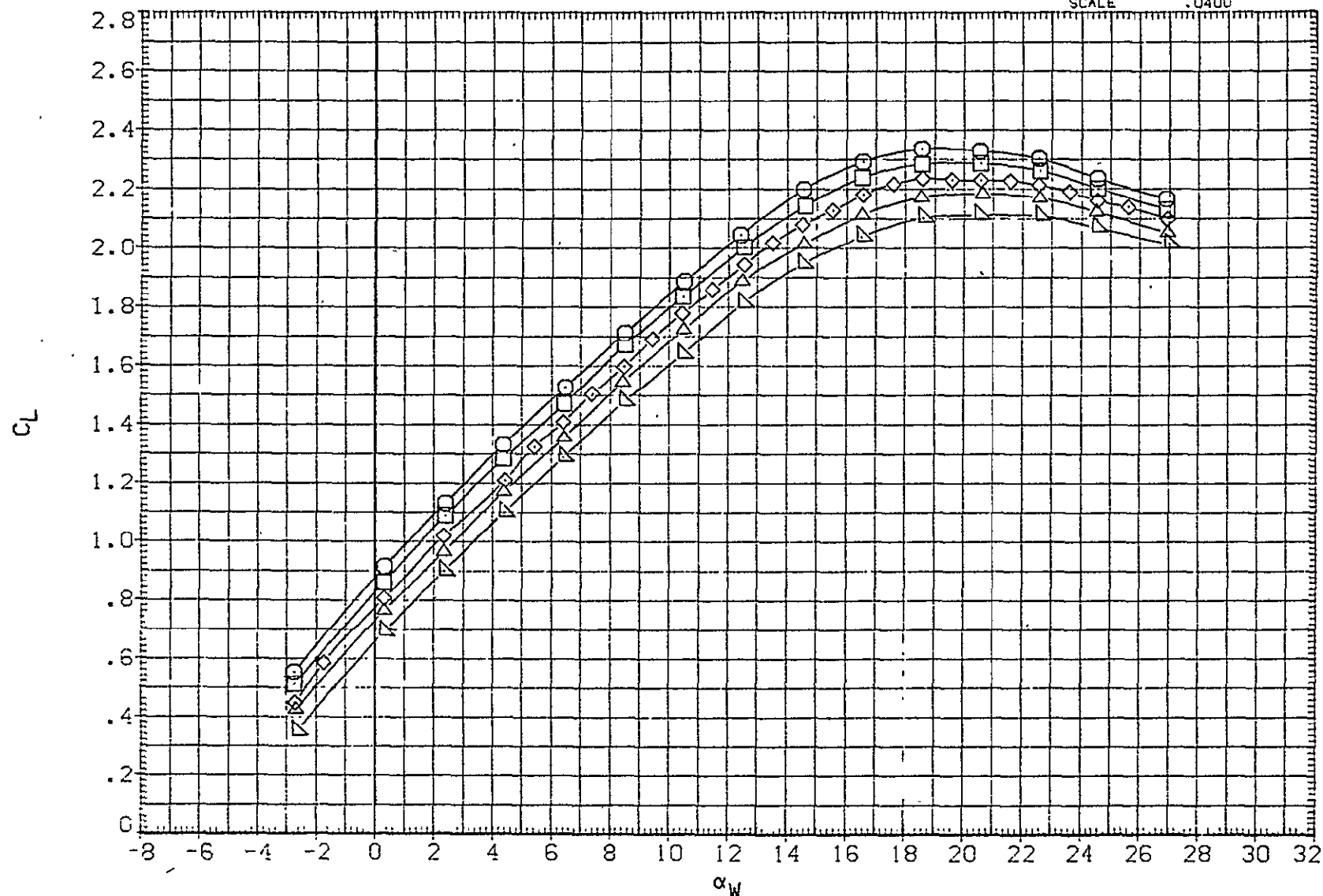


FIG 35 ALT CONFIG. ELEVATOR EFFECTIVENESS, FLAPS 30, IORB=6, TC OFF, ELEV=-5.
MAIN BALANCE DATA-ALPHA SWEEPS

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BETA	REFERENCE INFORMATION		
(RJF066)	○	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402	17.000	-2.000	.000	SREF	5500.0000	SO.FT.
(RJF065)	□	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402	10.000	-2.000	.000	LREF	327.8000	IN.
(RJF067)	◇	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402	.000	-2.000	.000	BREF	2348.0000	IN.
(RJF064)	△	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402	-10.000	-2.000	.000	XM RP	1339.9100	IN.XC
(RJF063)	▽	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402	-23.000	-2.000	.000	YM RP	.0000	IN.YC
						ZM RP	190.7500	IN.ZC
						SCALE	.0400	

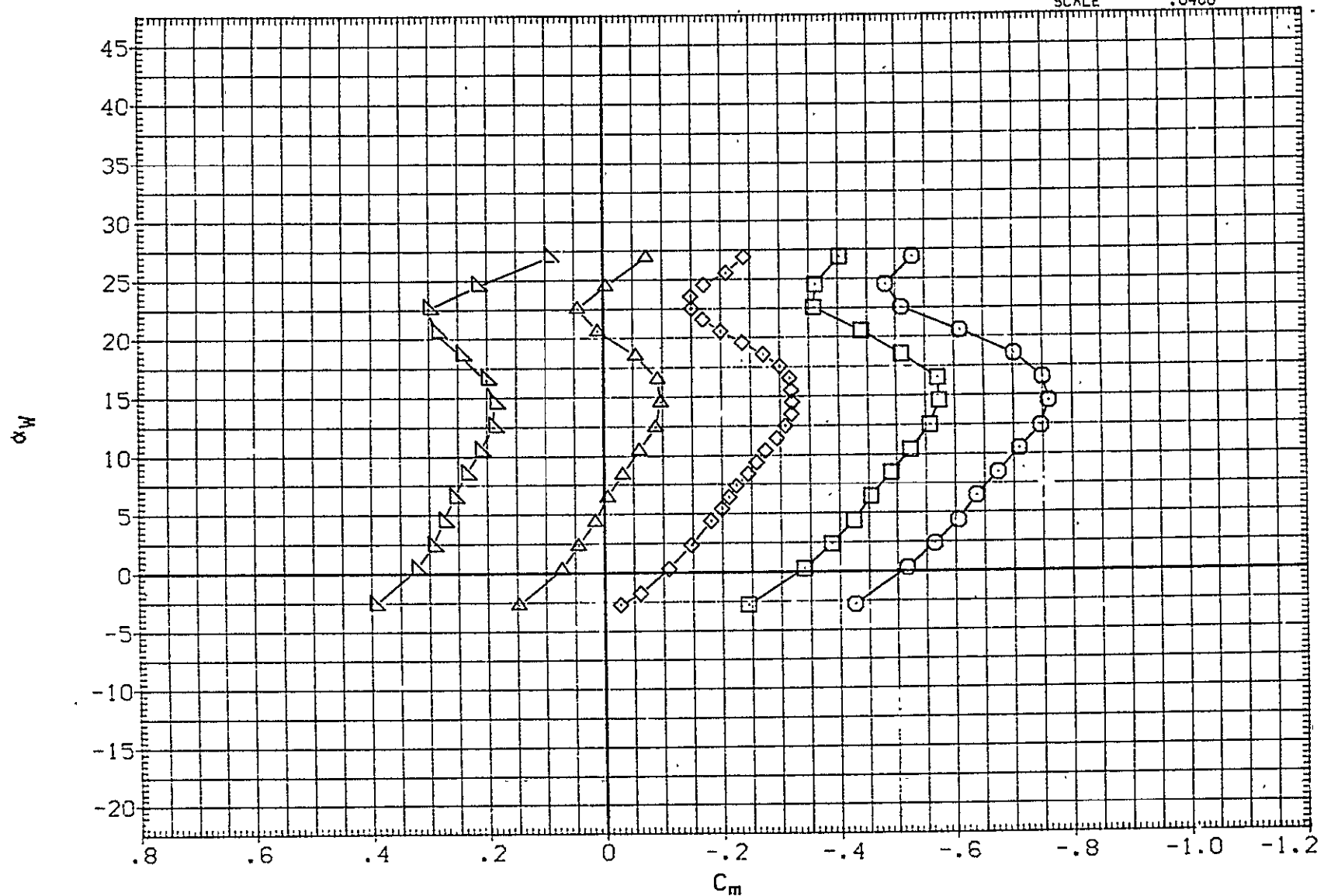


FIG 35 ALT CONFIG. ELEVATOR EFFECTIVENESS, FLAPS 30, IORB=6, TC OFF, ELEV=-5
MAIN BALANCE DATA-ALPHA SWEEPS

(A) MACH = .15

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DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BETA	REFERENCE INFORMATION		
(RJF066)	○	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402	17.000	-2.000	.000	SREF	5500.0000	SQ.FT.
(RJF065)	□	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402	10.000	-2.000	.000	LREF	327.8000	IN.
(RJF067)	◇	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402	.000	-2.000	.000	BREF	2348.0000	IN.
(RJF064)	△	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402	-10.000	-2.000	.000	XMPP	1339.9100	IN.XC
(RJF063)	▽	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402	-23.000	-2.000	.000	YMRP	.0000	IN.YC
						ZMRP	190.7500	IN.ZC
						SCALE	.0400	

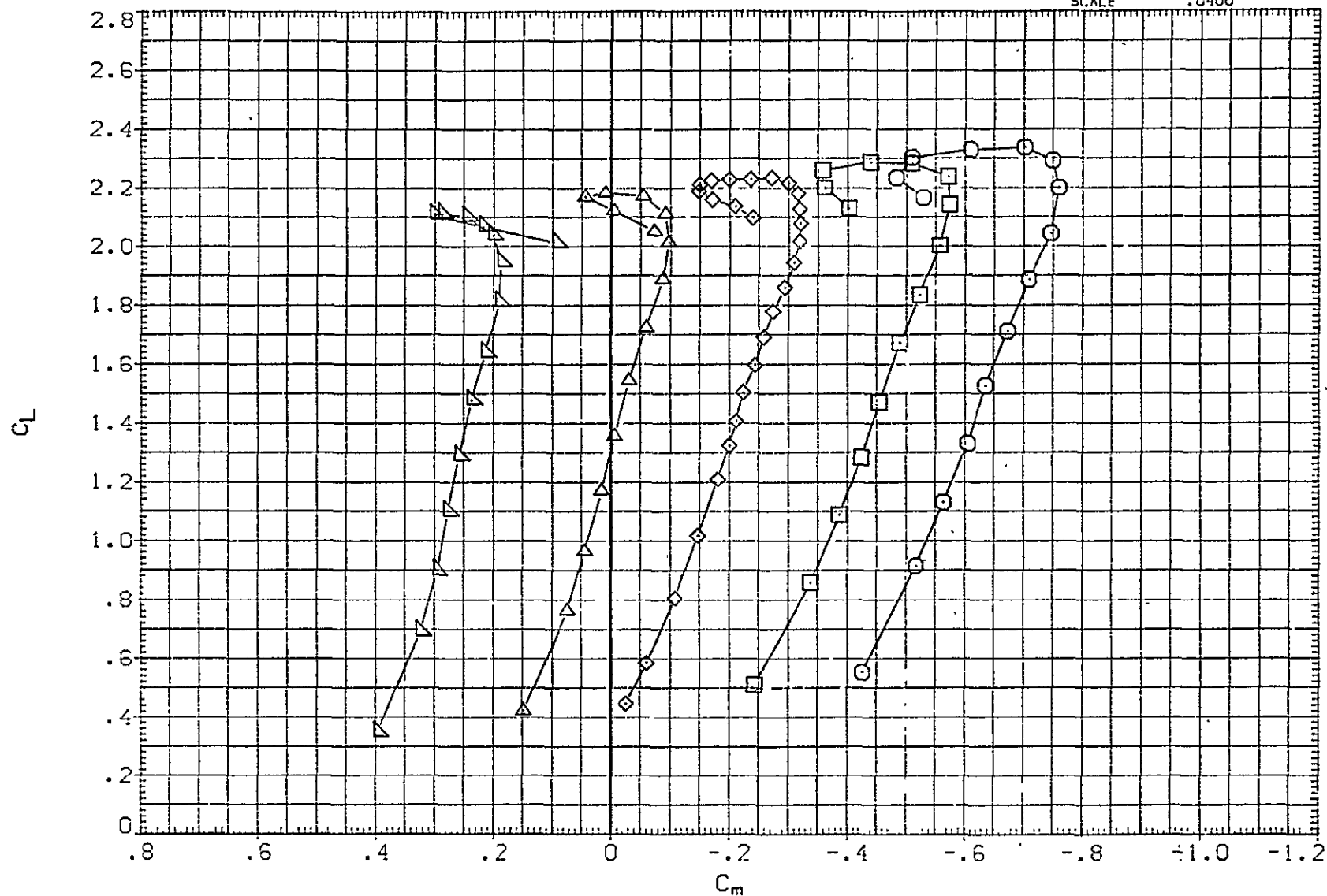


FIG 35 ALT CONFIG. ELEVATOR EFFECTIVENESS, FLAPS 30, IORB=6, TC OFF, ELEV=-5
MAIN BALANCE DATA-ALPHA SWEEPS

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BETA	REFERENCE INFORMATION		
{RJF066}	○	{CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402	17.000	-2.000	.000	SREF	5500.0000	SG.FT.
{RJF065}	□	{CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402	10.000	-2.000	.000	LREF	327.8000	IN.
{RJF067}	◇	{CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402	.000	-2.000	.000	BREF	2348.0000	IN.
{RJF064}	△	{CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402	-10.000	-2.000	.000	XMRP	1339.9100	IN.XC
{RJF063}	▽	{CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402	-23.000	-2.000	.000	YMRP	.0000	IN.YC
						ZMRP	190.7500	IN.ZC
						SCALE	.0400	

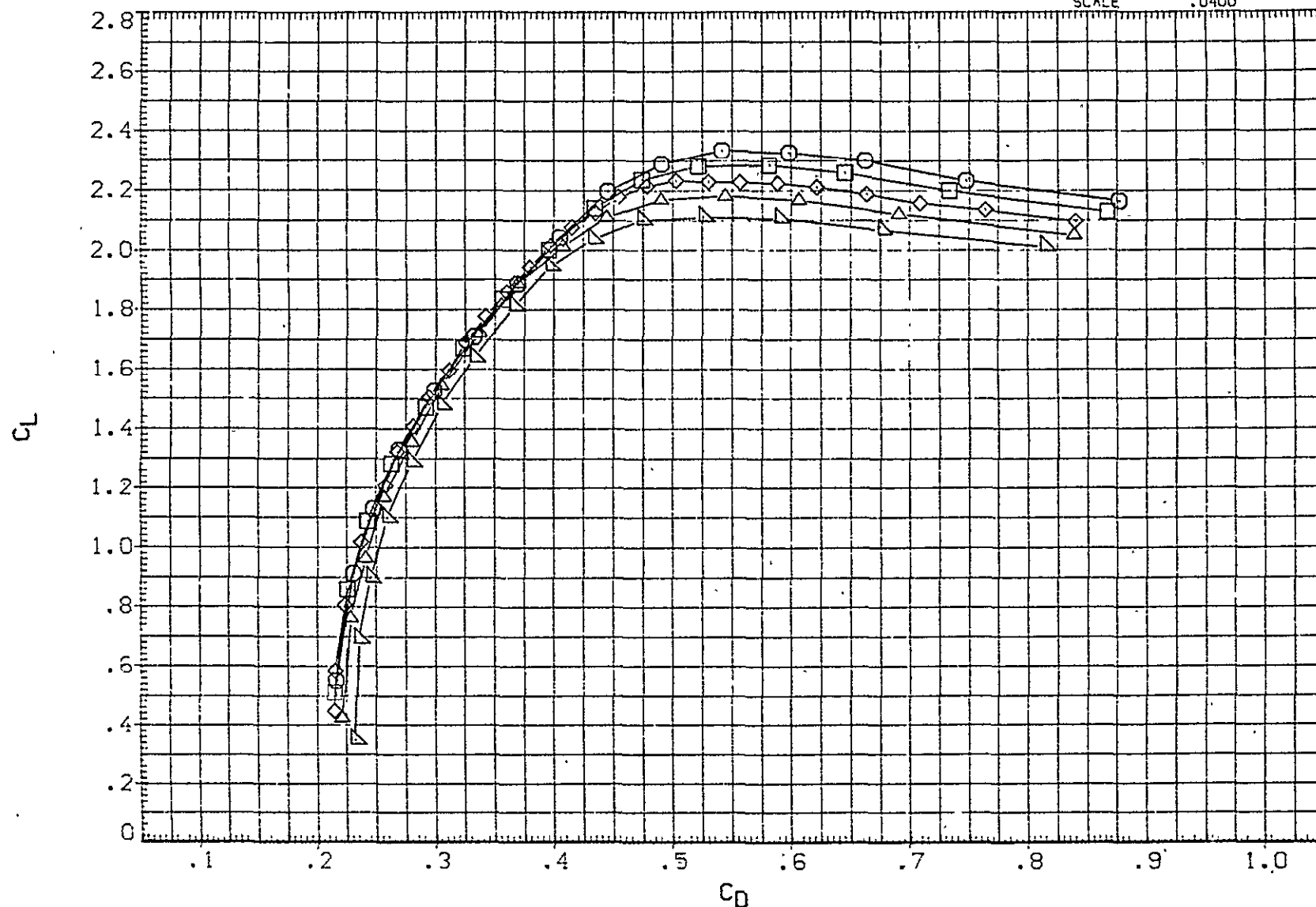


FIG 35 ALT CONFIG. ELEVATOR EFFECTIVENESS. FLAPS 30. IORB=6.TC OFF, ELEV=-5
MAIN BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RJF070)	○	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402SS
(RJF067)	□	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402

ELEVTR	STAB	BETA
.000	-2.000	.000
.000	-2.000	.000

REFERENCE INFORMATION		
SREF	5500.0000	SC.FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMRP	1339.9100	IN. XC
YMRP	.0000	IN. YC
ZMRP	190.7500	IN. ZC
SCALE	.0400	

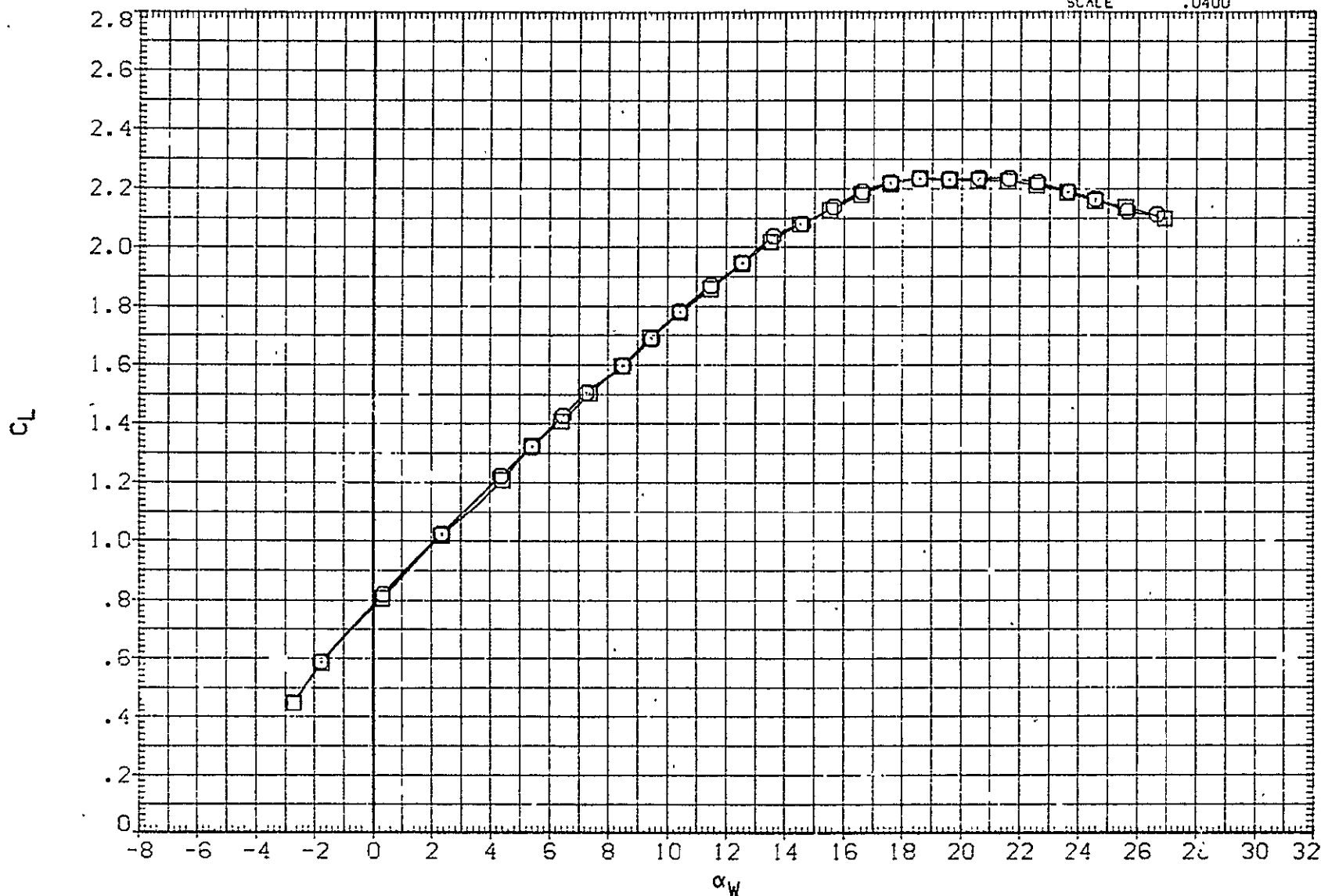


FIG 36 ALT CONFIG. EFFECT OF SUGAR SCOOPS FLAPS 30, IORB=6, TC OFF, ELEV=-5
MAIN BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RJF070)	○	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402SS
(RJF067)	□	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402

ELEVTR	STAB	BETA
.000	-2.000	.000
.000	-2.000	.000

REFERENCE INFORMATION		
SREF	5500.0000	50.FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMRP	1339.9100	IN. XC
YMRP	.0000	IN. YC
ZMRP	190.7500	IN. ZC
SCALE	.0400	

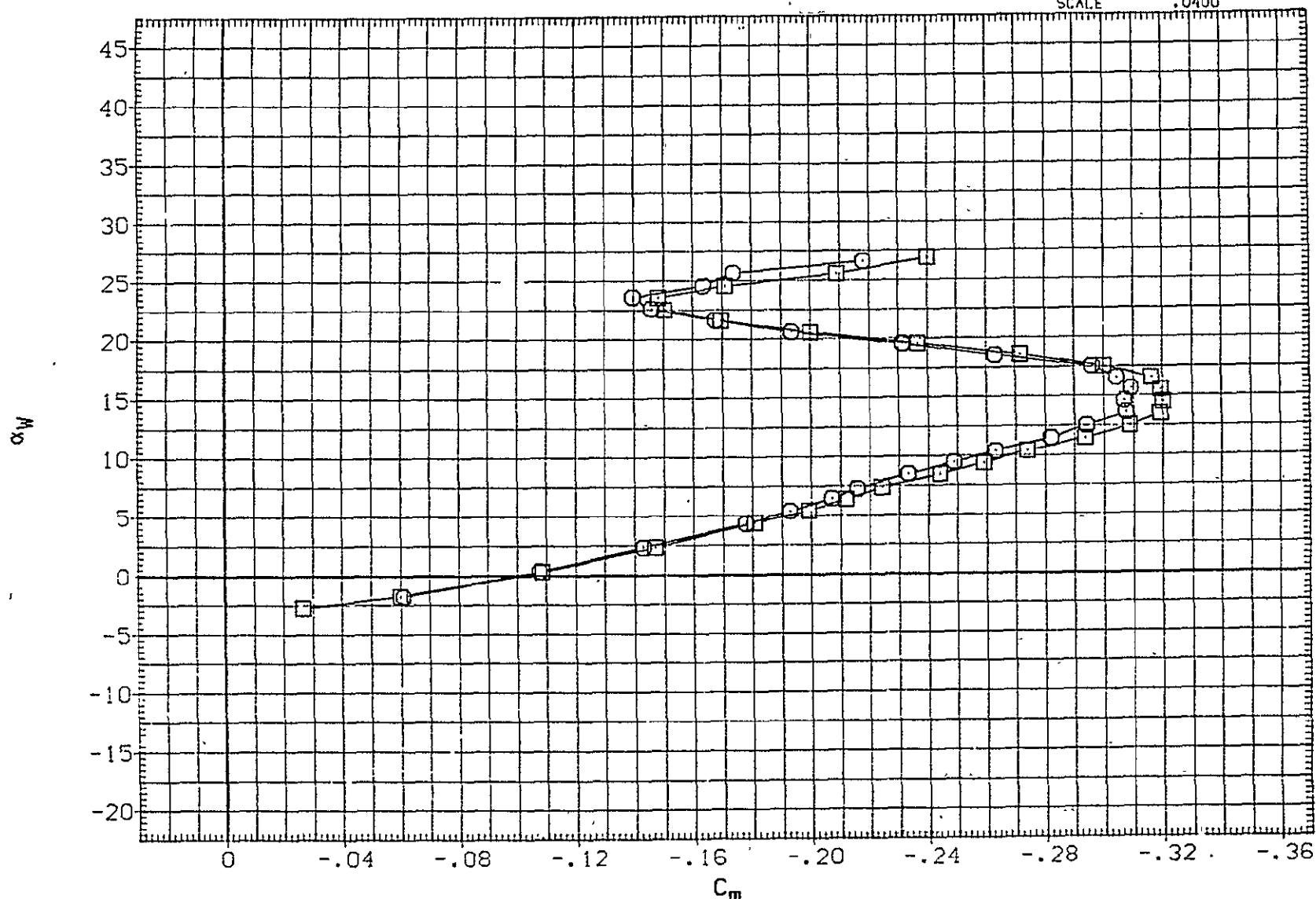


FIG 36 ALT CONFIG. EFFECT OF SUGAR SCOOPS
MAIN BALANCE DATA-ALPHA SWEEPS

FLAPS 30, IORB=6, TC OFF, ELEV=-5

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RJF070)	○	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402SS
(PJF067)	□	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402

ELEVTR	STAB	BETA
.000	-2.000	.000
.000	-2.000	.000

REFERENCE INFORMATION		
SREF	5500.0000	50. FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMRP	1339.9100	IN. XC
YMRP	.0000	IN. YC
ZMRP	190.7500	IN. ZC
SCALE	.0400	

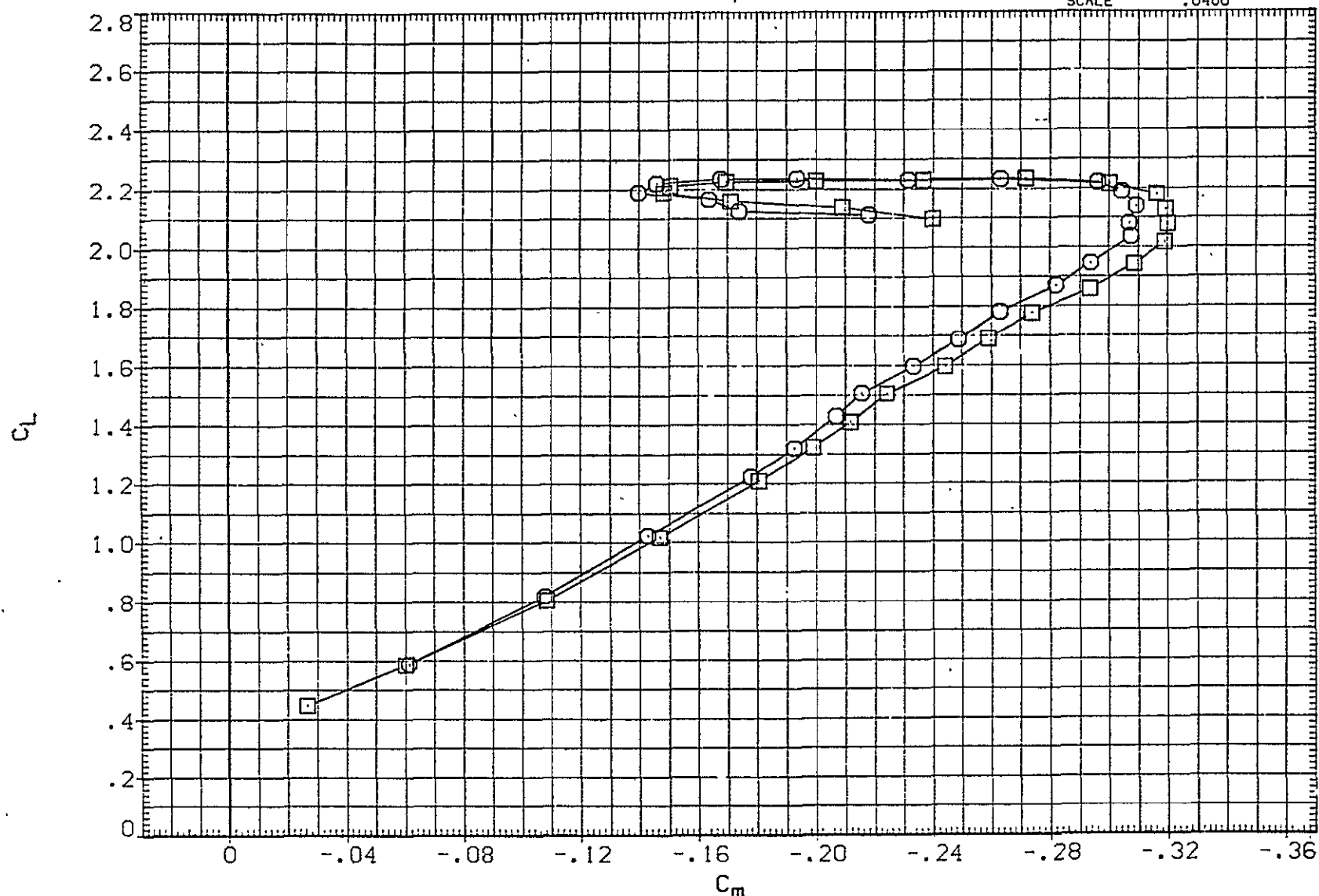


FIG 36 ALT CONFIG. EFFECT OF SUGAR SCOOPS
MAIN BALANCE DATA-ALPHA SWEEPS

FLAPS 30, IORB=6, TC OFF, ELEV=-5

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RJF070)	○	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402SS
(RJF067)	□	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402

ELEVTR	STAB	BETA
.000	-2.000	.000
.000	-2.000	.000

REFERENCE INFORMATION		
SREF	5500.0000	50. FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMRP	1339.9100	IN. XC
YMRP	.0000	IN. YC
ZMRP	190.7500	IN. ZC
SCALE	.0400	

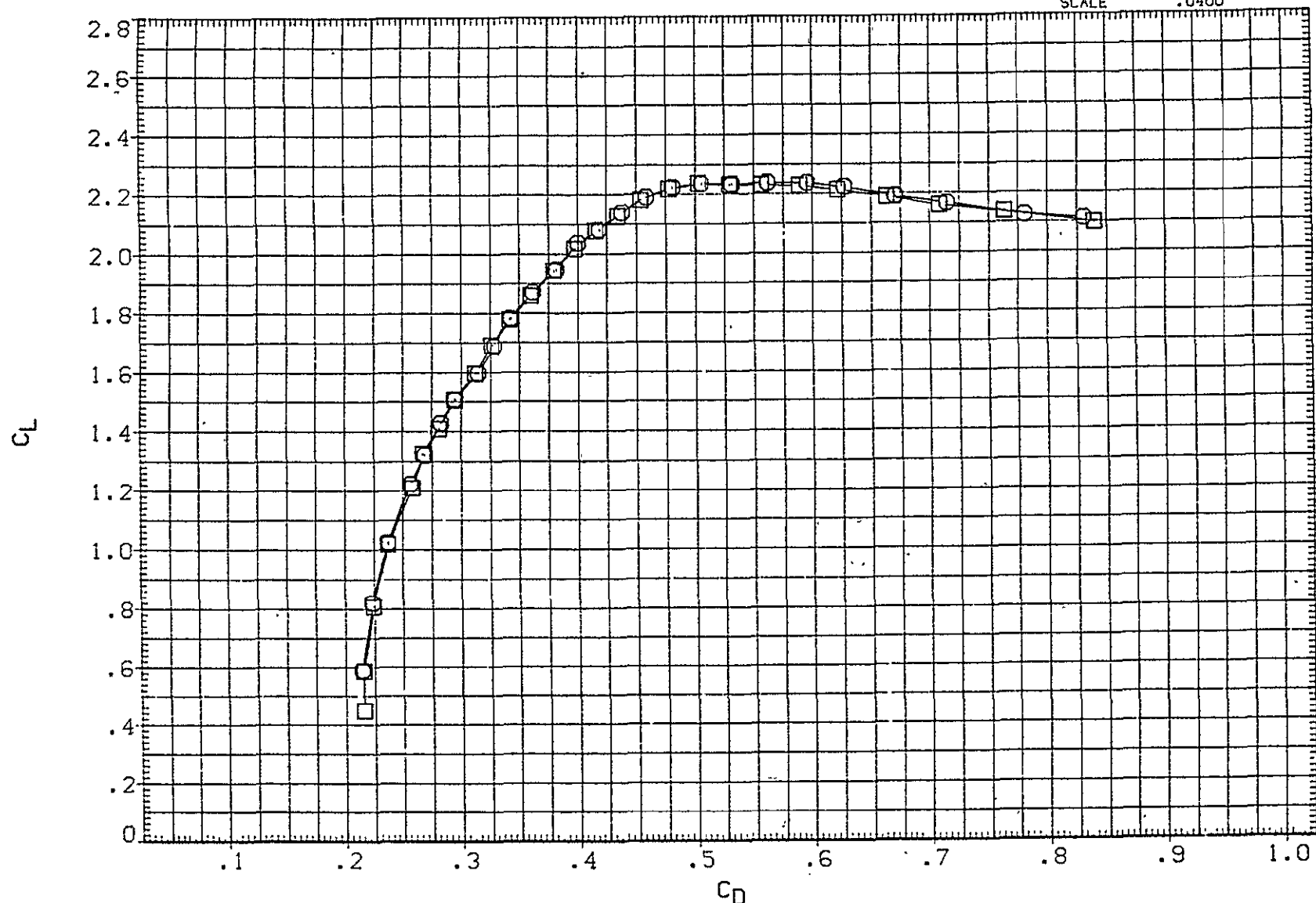


FIG 36 ALT CONFIG. EFFECT OF SUGAR SCOOPS
MAIN BALANCE DATA-ALPHA SWEEPS

FLAPS 30, IORB=6, TC OFF, ELEV=-5

(A)MACH = .15

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REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BETA	REFERENCE INFORMATION		
(RJF087)	□	(CA-8) K3V9.1.2TS5 F20TS401			.000	SREF	5500.0000	50.FT.
(RJF088)	○	(CA-8) K3V9.1.2TS5H15.6.1F20TS401	.000	3.000	.000	LREF	327.8000	IN.
(RJF089)	×	(CA-8) K3V9.1.2TS5H15.6.1F20TS401	.000	.000	.000	BREF	2348.0000	IN.
(RJF091)	△	(CA-8) K3V9.1.2TS5H15.6.1F20TS401	.000	-2.000	.000	XMRP	1339.9100	IN.XC
(RJF090)	▽	(CA-8) K3V9.1.2TS5H15.6.1F20TS401	.000	-4.000	.000	YMRP	.0000	IN.YC
						ZMRP	190.7500	IN.ZC
						SCALE	.0400	

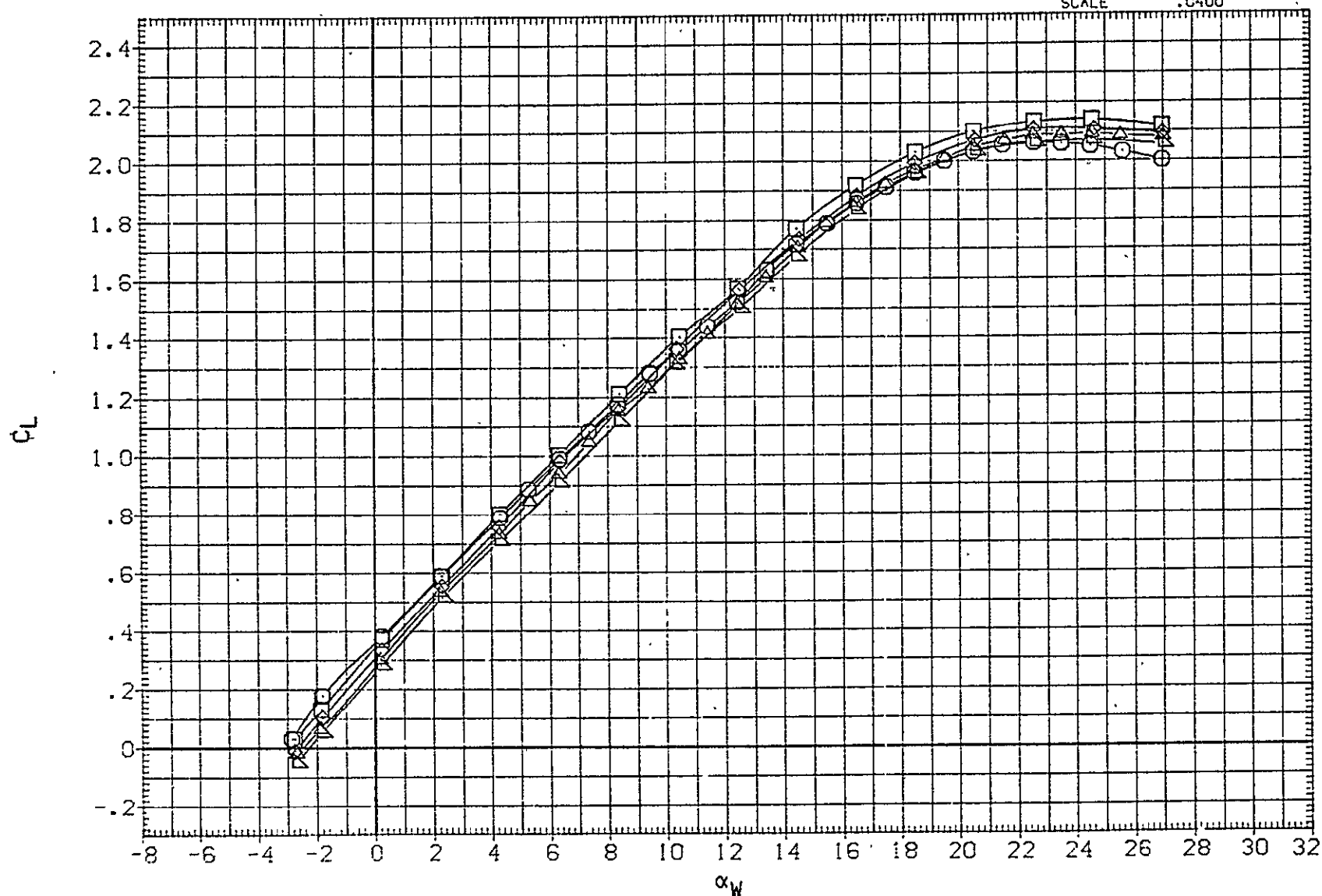


FIG 37 ALT CONFIG. STABILIZER EFFECTIVENESS, FLAPS 20. IORB=8. TC ON. ELEV=-5
MAIN BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BETA	REFERENCE INFORMATION		
(RJF087)	○	(CA-8) K3V9.1.2TS5 F20TS401			.000	SREF	5500.0000	50.FT.
(RJF088)	□	(CA-8) K3V9.1.2TS5H15.6.1F20TS401	.000	3.000	.000	LREF	327.8000	IN.
(RJF089)	◇	(CA-8) K3V9.1.2TS5H15.6.1F20TS401	.000	.000	.000	BREF	2348.0000	IN.
(RJF091)	△	(CA-8) K3V9.1.2TS5H15.6.1F20TS401	.000	-2.000	.000	XMRP	1339.9100	IN.XC
(RJF090)	▽	(CA-8) K3V9.1.2TS5H15.6.1F20TS401	.000	-4.000	.000	YMRP	.0000	IN.YC
						ZMRP	190.7500	IN.ZC
						SCALE	.0400	

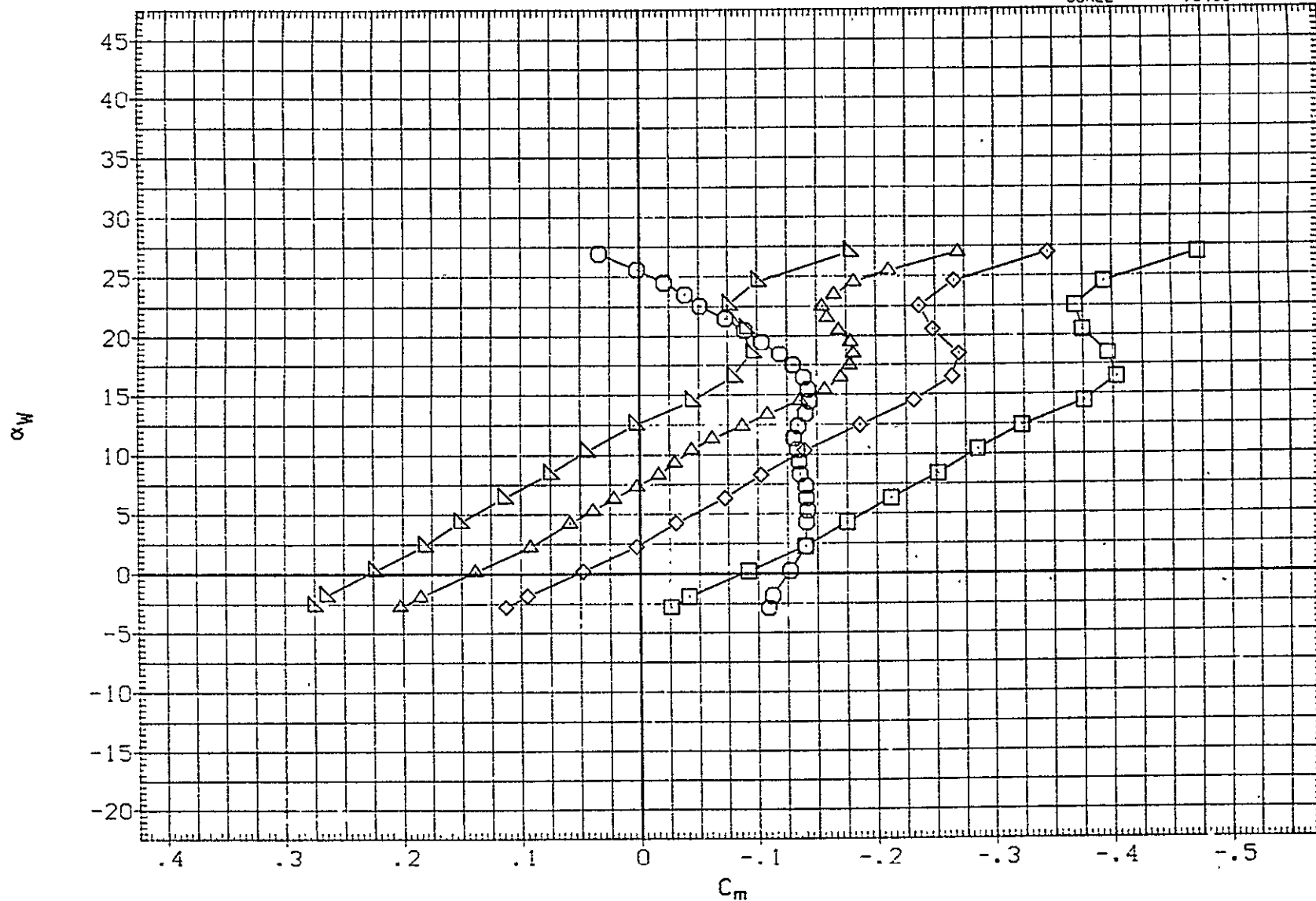


FIG 37 ALT CONFIG. STABILIZER EFFECTIVENESS, FLAPS 20 IORB=8, TC ON, ELEV=-5
MAIN BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

(RJF087)
(RJF088)
(RJF089)
(RJF091)
(RJF090)

□
◇
△

(CA-8) K3V9.1.2TS5 F20TS401
(CA-8) K3V9.1.2TS5H15.6.1F20TS401
(CA-8) K3V9.1.2TS5H15.6.1F20TS401
(CA-8) K3V9.1.2TS5H15.6.1F20TS401
(CA-8) K3V9.1.2TS5H15.6.1F20TS401

.000 3.000 .000
.000 .000 .000
.000 -2.000 .000
.000 -4.000 .000

LREF 327.8000 IN.
BREF 2348.0000 IN.
XMRP 1339.9100 IN.XC
YMRP .0000 IN.YC
ZMRP 190.7500 IN.ZC
SCALE .0400

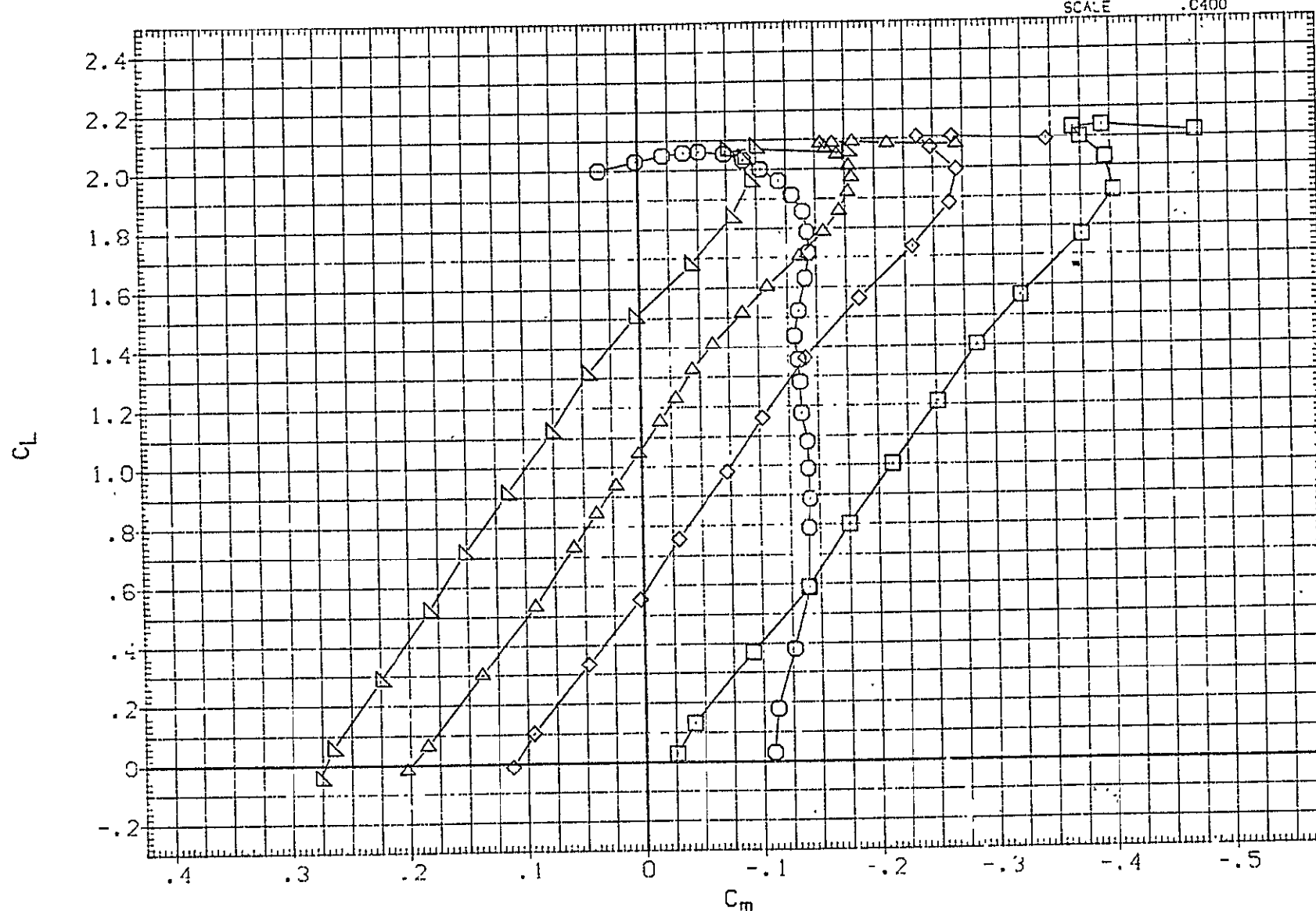


FIG 37 ALT CONFIG. STABILIZER EFFECTIVENESS, FLAPS 20 IORB=8, TC ON, ELEV=-5
MAIN BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BETA	REFERENCE INFORMATION		
(RJF087)	○	(CA-8) K3V9.1.2TS5 F20TS401			.000	SREF	5500.0000	SO.F.F.
(RJF088)	□	(CA-8) K3V9.1.2TS5H15.6.1F20TS401	.000	3.000	.000	LREF	327.8000	IN.
(RJF089)	△	(CA-8) K3V9.1.2TS5H15.6.1F20TS401	.000	.000	.000	BREF	2348.0000	IN.
(RJF091)	◇	(CA-8) K3V9.1.2TS5H15.6.1F20TS401	.000	-2.000	.000	XMRP	1339.9100	IN.XC
(RJF090)	▽	(CA-8) K3V9.1.2TS5H15.6.1F20TS401	.000	-4.000	.000	YMRP	.0000	IN.YC
						ZMRP	190.7500	IN.ZC
						SCALE	.0400	

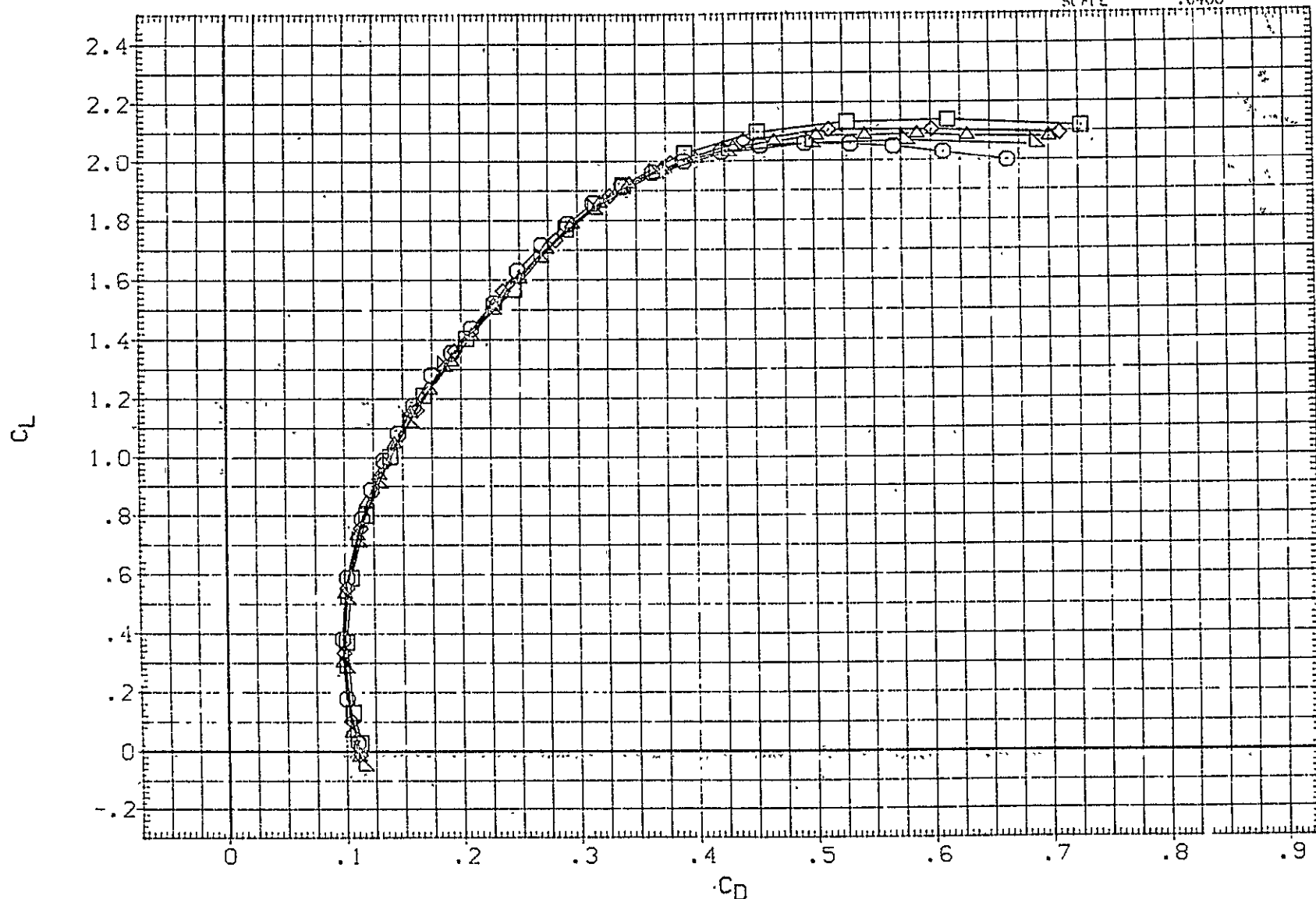


FIG 37 ALT CONFIG. STABILIZER EFFECTIVENESS, FLAPS 20 IORB=8, TC ON, ELEV=-5
MAIN BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RJF091)	○	(CA-8) K3V9.1.2TS5H15.6.1F20TS401
(RJF092)	□	(CA-8) K3V9.1.2TS5H15.6.1F20TS401

ELEVTR	STAB	BETA
.000	-2.000	.300
-23.000	-2.000	.300

REFERENCE INFORMATION		
SREF	5500.0000	SQ.FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMRP	1339.9100	IN.XC
YMRP	.0000	IN.YC
ZMRP	190.7500	IN.ZC
SCALE	.0400	

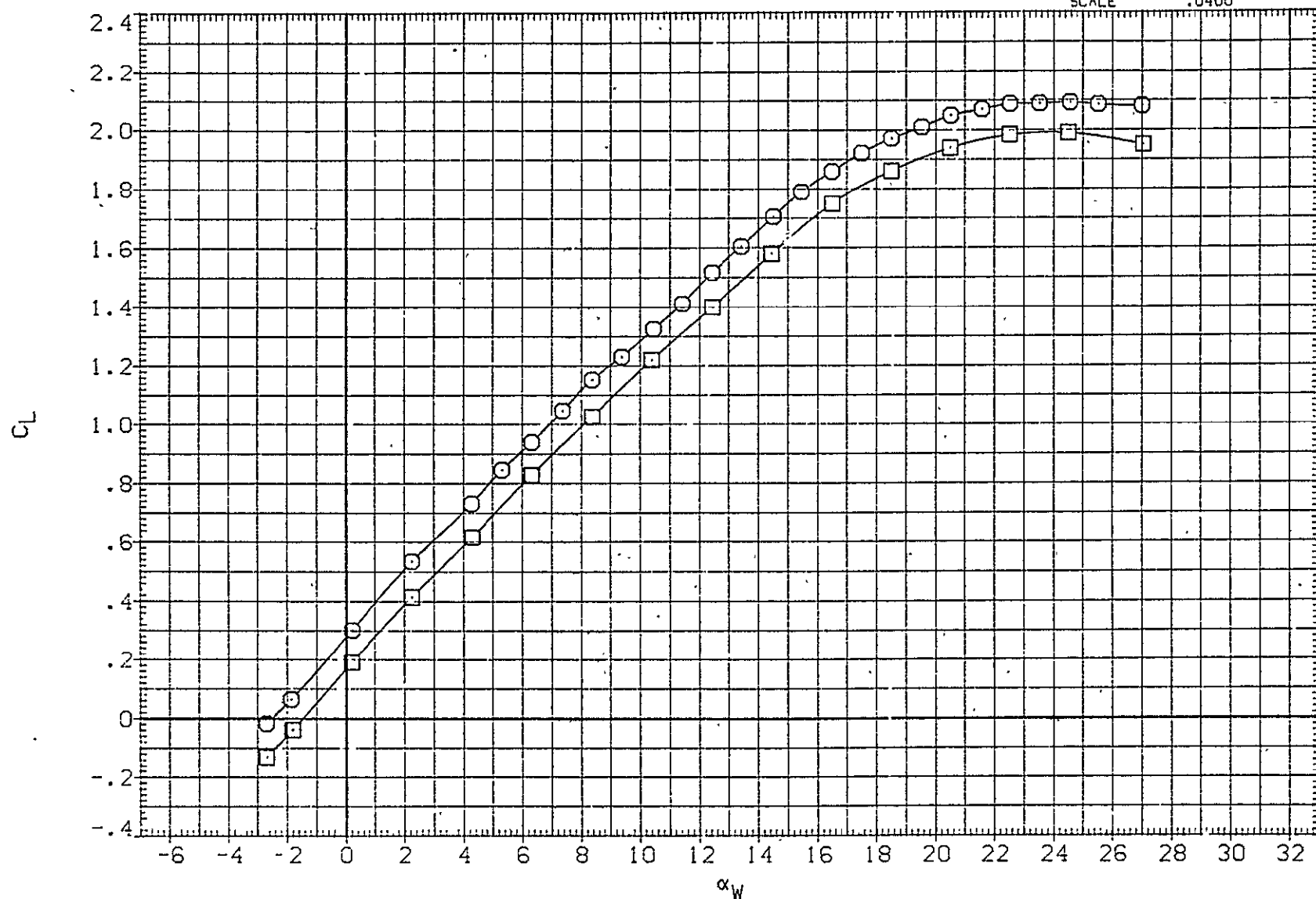


FIG 38 ALT CONFIG. ELEVATOR EFFECTIVENESS, FLAPS 20 IORB=8, TC ON, ELEV=-5
MAIN BALANCE DATA-ALPHA SWEEPS

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RJF091)	○	(CA-8) K3V9.1.2TS5H15.6.1F20TS401
(RJF092)	□	(CA-8) K3V9.1.2TS5H15.6.1F20TS401

ELEVTR	STAB	BETA
.000	-2.000	.000
-23.000	-2.000	.000

REFERENCE INFORMATION		
SREF	5500.0000	SQ.FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMRP	1339.9100	IN.XC
YMRP	.0000	IN.YC
ZMRP	190.7500	IN.ZC
SCALE	.0400	

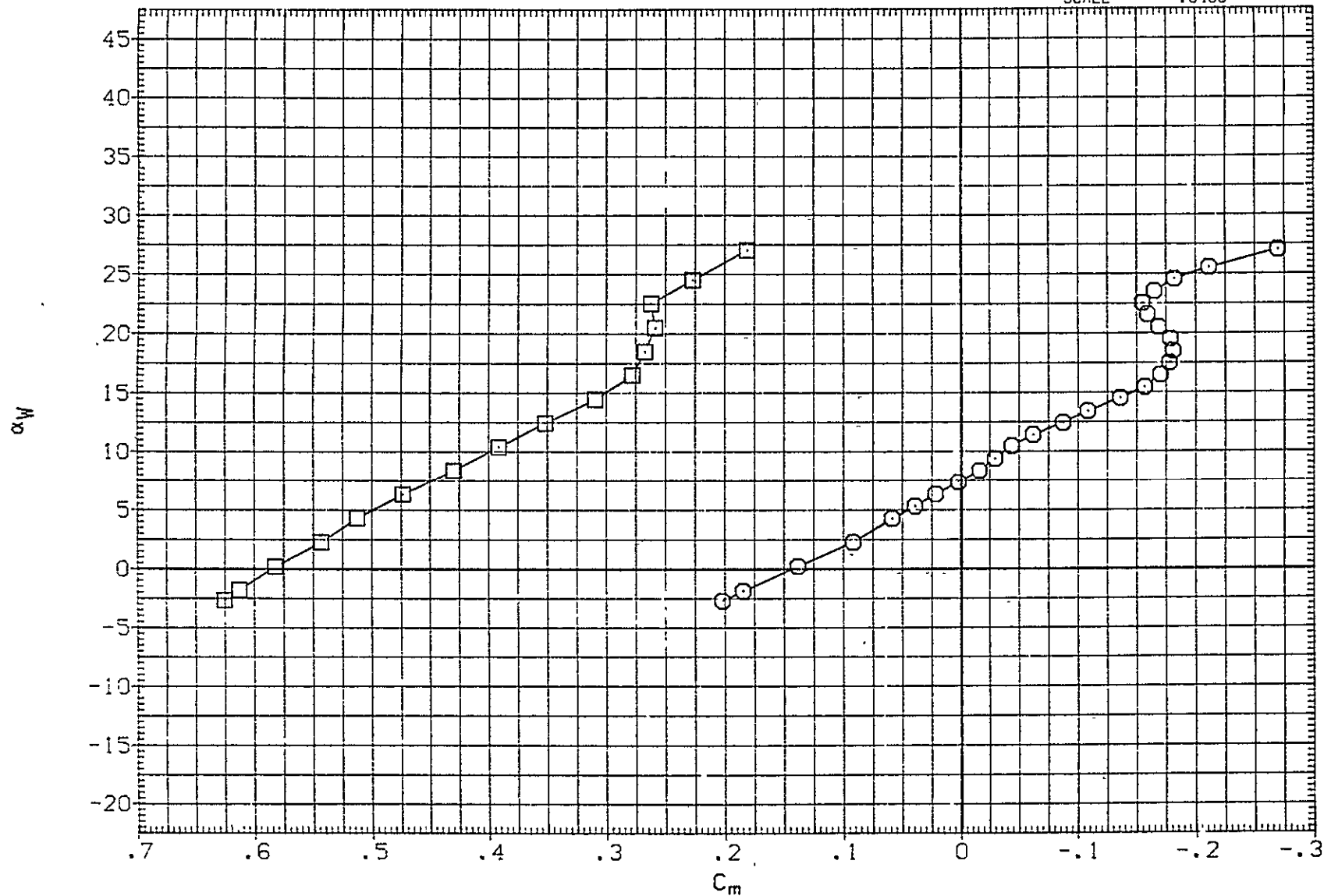


FIG 38 ALT CONFIG. ELEVATOR EFFECTIVENESS, FLAPS 20 IORB=8, TC ON, ELEV=-5
MAIN BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RJF091)	○	(CA-8) K3V9.1.2TS5H15.6.1F20TS401
(RJF092)	□	(CA-8) K3V9.1.2TS5H15.6.1F20TS401

ELEVTR	STAB	BETA
.000	-2.000	.000
-23.000	-2.000	.000

REFERENCE INFORMATION		
SREF	5500.0000	50.FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMRP	1339.9100	IN.XC
YMRP	.0000	IN.YC
ZMRP	190.7500	IN.ZC
SCALE	.0400	

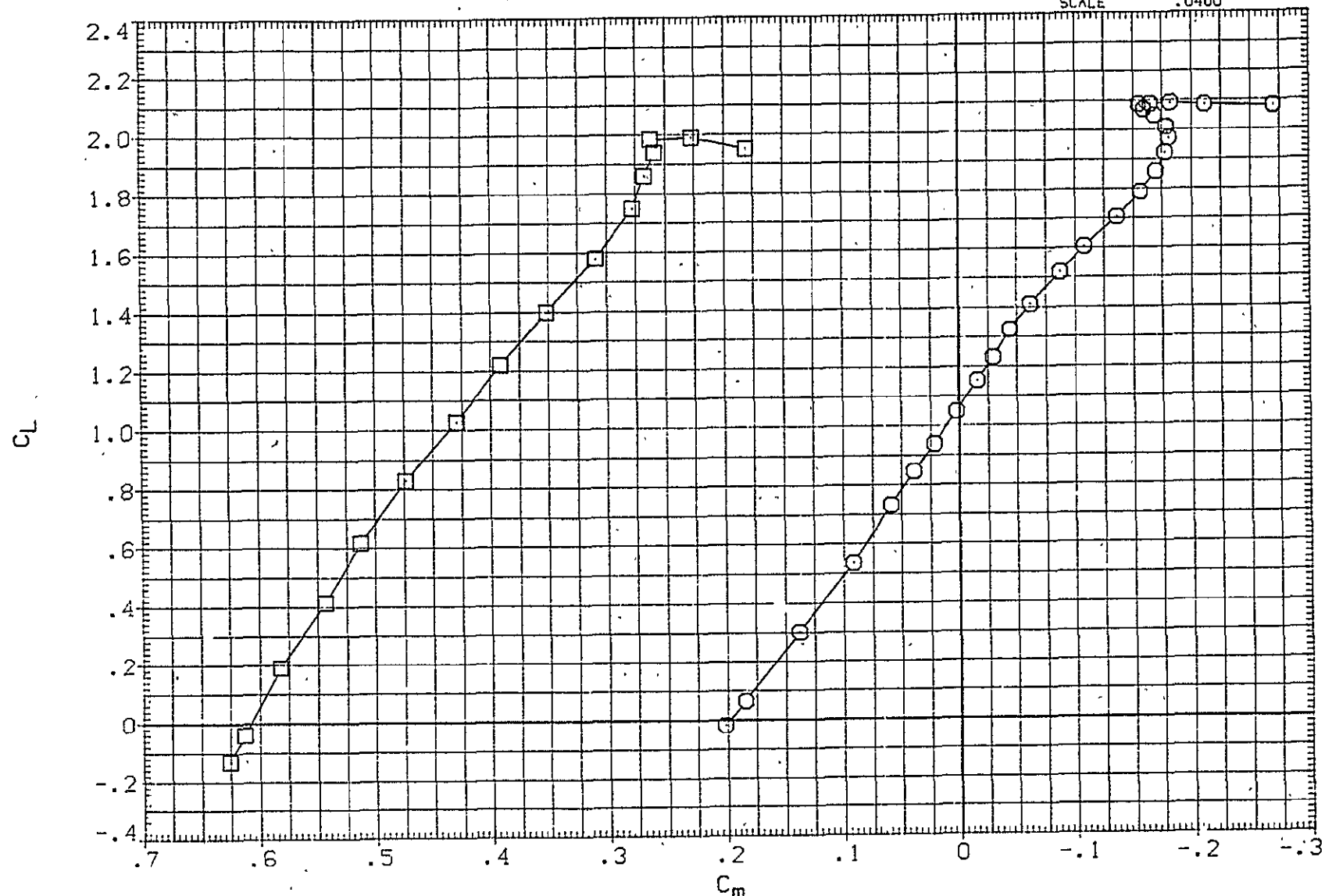


FIG 38 ALT CONFIG. ELEVATOR EFFECTIVENESS, FLAPS 20 IORB=8, TC ON, ELEV=-5
MAIN BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RJF091)	○	(CA-8) K3V9.1.2TS5H15.6.1F20TS401
(RJF092)	□	(CA-8) K3V9.1.2TS5H15.6.1F20TS401

ELEVTR	STAB	BETA
.000	-2.000	.000
-23.000	-2.000	.000

REFERENCE INFORMATION		
SREF	5500.0000	50.FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMRP	1339.9100	IN.XC
YMRP	.0000	IN.YC
ZMRP	190.7500	IN.ZC
SCALE	.0400	

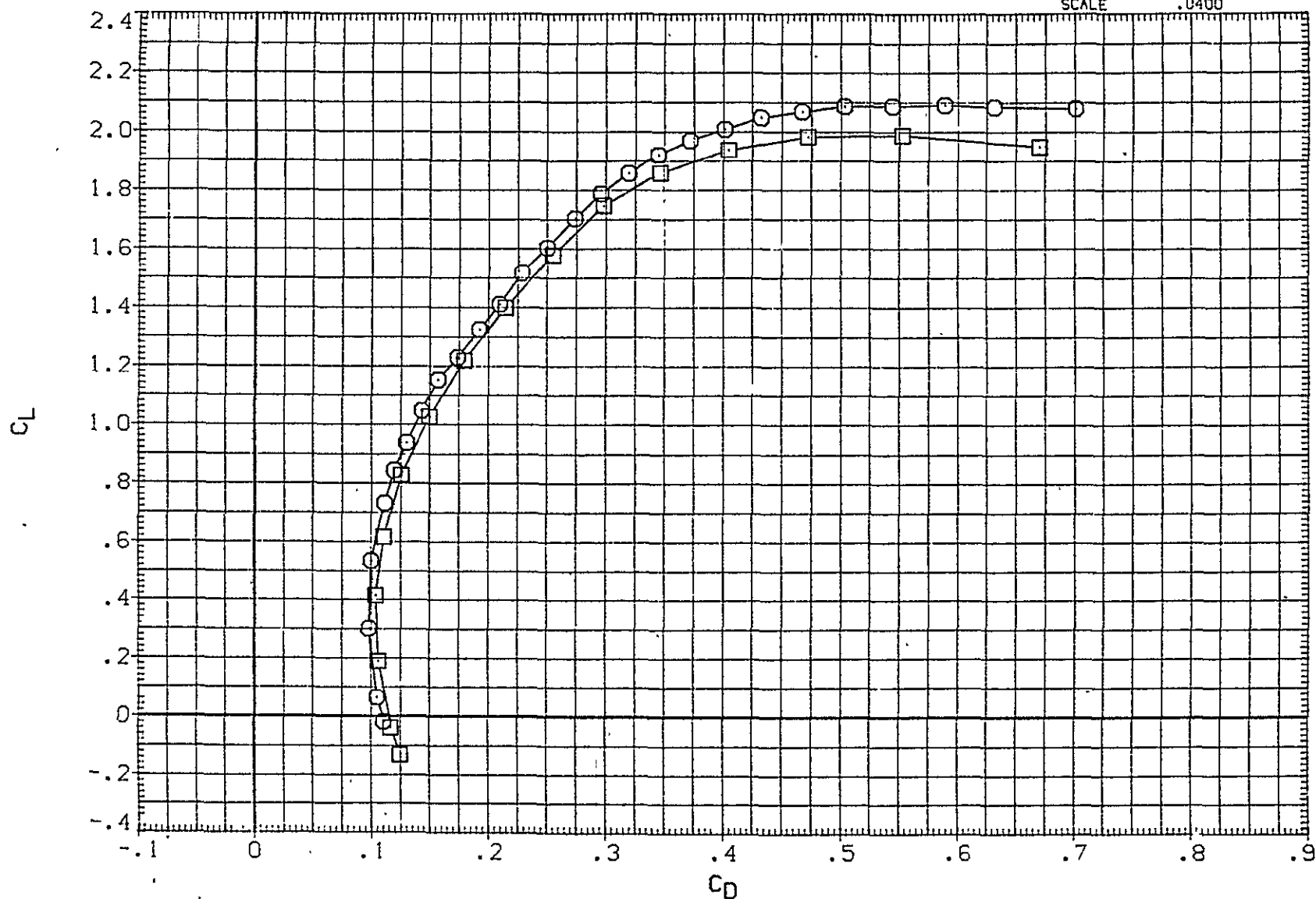


FIG 38 ALT CONFIG. ELEVATOR EFFECTIVENESS, FLAPS 20 IORB=8, TC ON, ELEV=-5
MAIN BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

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DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BETA	REFERENCE INFORMATION		
(RJF057)	○	(CA-8) K3V9.1.2TS5 F3065.3.5TS401			.000	SREF	5500.0000	SQ.FT.
(RJF059)	□	(CA-8) K3V9.1.2TSSH15.6.1F3065.3.5TS401	.000	.000	.000	LREF	327.8000	IN.
(RJF060)	◇	(CA-8) K3V9.1.2TSSH15.6.1F3065.3.5TS401	.000	-2.000	.000	BREF	2348.0000	IN.
(RJF058)	△	(CA-8) K3V9.1.2TSSH15.6.1F3065.3.5TS401	.000	-4.000	.000	XMRP	1339.9100	IN.XC
						YMRP	.0000	IN.YC
						ZMRP	190.7500	IN.ZC
						SCALE	.0400	

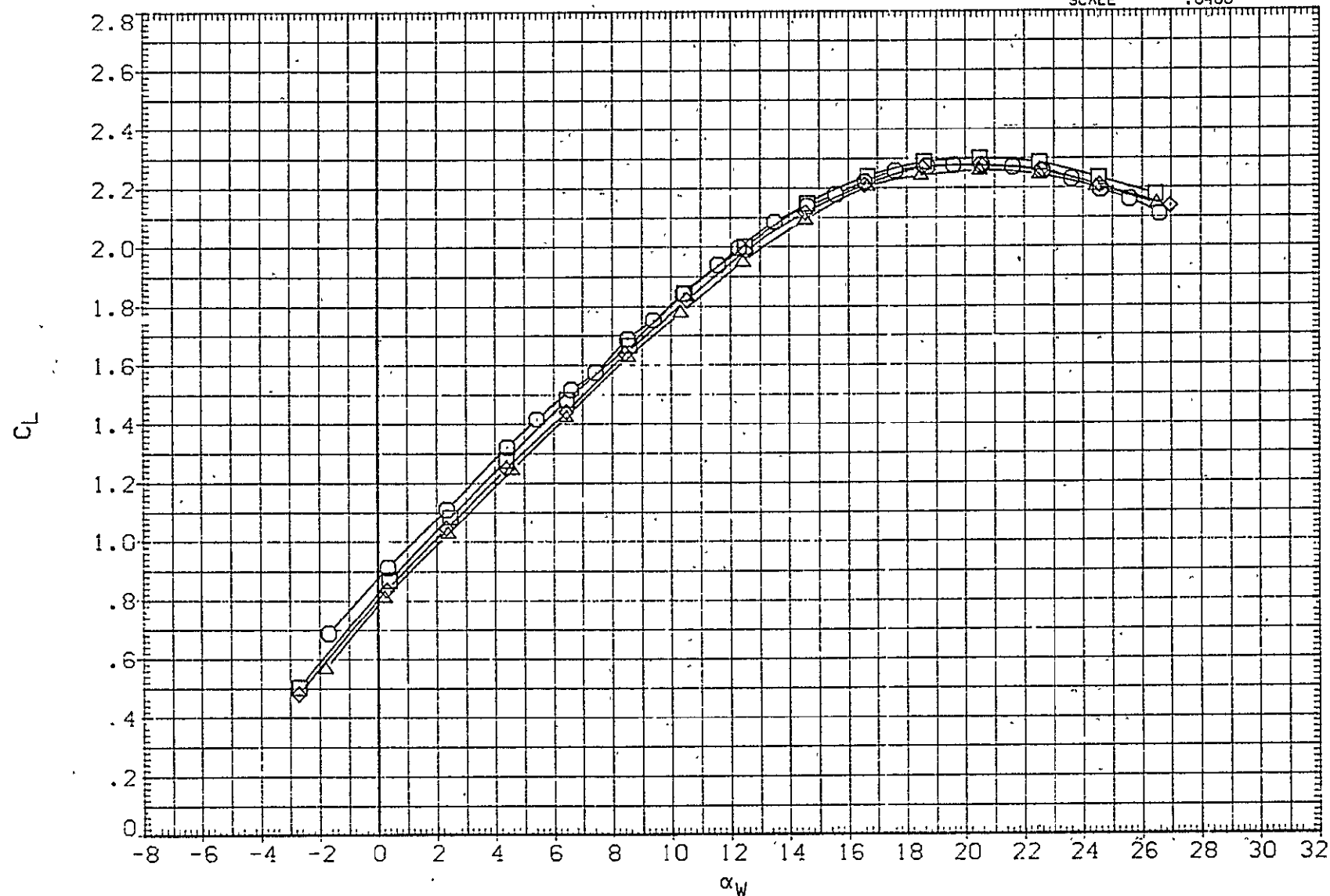


FIG 39 ALT CONFIG. STABILIZER EFFECTIVENESS, FLAPS 30 IORB=8, TC ON, ELEV=-5
MAIN BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BETA	REFERENCE INFORMATION		
(RJF057)	○	(CA-8) K3V9.1.2TS5 F3065.3.5TS401			.000	SREF	5500.0000	50. FT.
(RJF059)	□	(CA-8) K3V9.1.2TS5H15.6.1F3065.3.5TS401	.000	.000	.000	LREF	327.8000	IN.
(RJF060)	◇	(CA-8) K3V9.1.2TS5H15.6.1F3065.3.5TS401	.000	-2.000	.000	BREF	2348.0000	IN.
(PJF058)	△	(CA-8) K3V9.1.2TS5H15.6.1F3065.3.5TS401	.000	-4.000	.000	XMRP	1339.9100	IN. XC
						YMRP	.0000	IN. YC
						ZMRP	190.7500	IN. ZC
						SCALE	.0400	

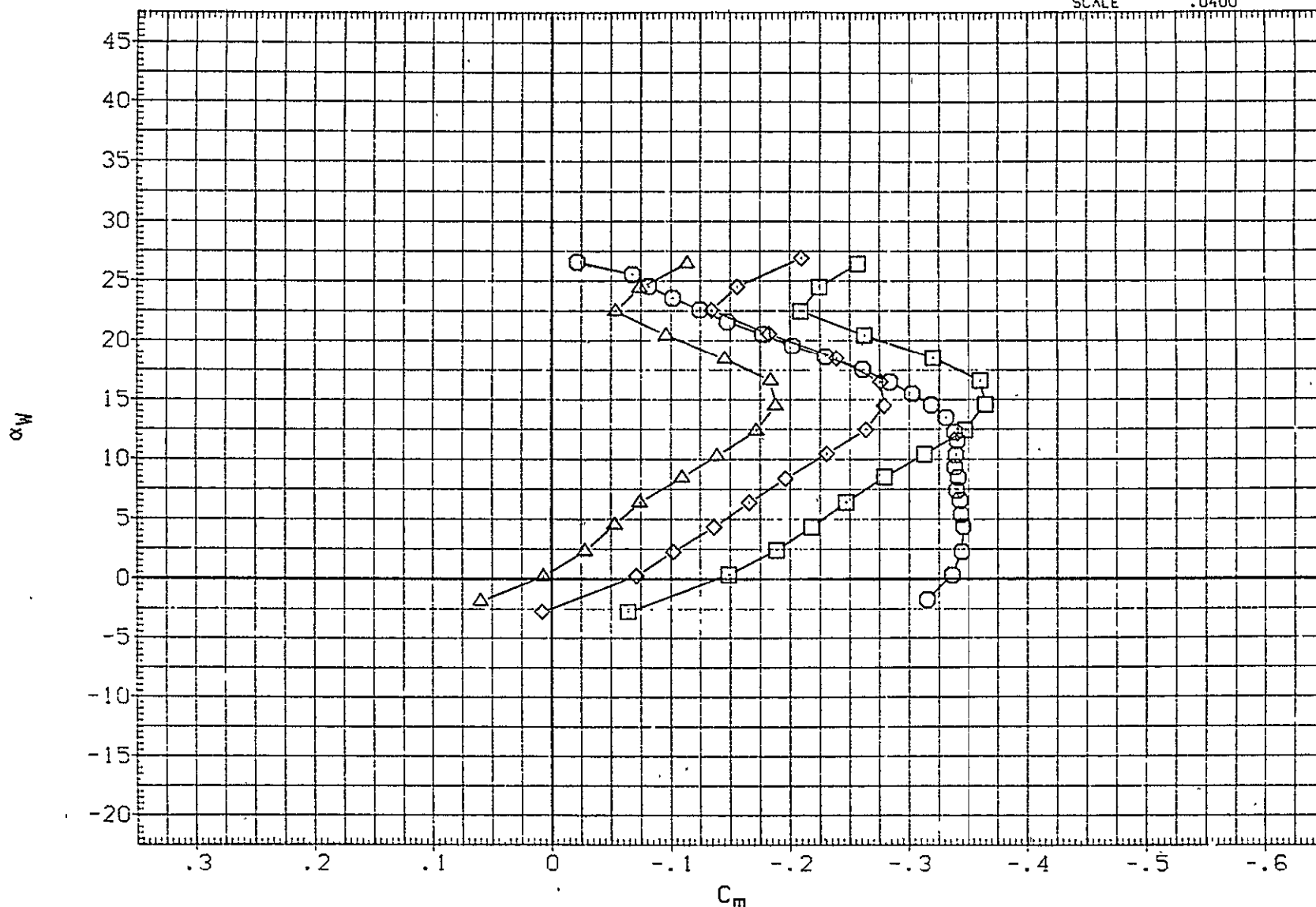


FIG 39 ALT CONFIG. STABILIZER EFFECTIVENESS, FLAPS 30 IORB=8, TC ON, ELEV=-5
MAIN BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

5

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BETA	REFERENCE INFORMATION		
(PJF057)	○	(CA-8) K3V9.1.2TS5 F30G5.3.5TS401			.000	SREF	5500.0000	SQ.FT.
(RJF059)	□	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	.000	.000	.000	LREF	327.8000	IN.
(RJF060)	△	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	.000	-2.000	.000	BREF	2348.0000	IN.
(RJF058)	◇	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	.000	-4.000	.000	XM RP	1339.9100	IN.XC
						YM RP	.0000	IN.YC
						ZM RP	190.7500	IN.ZC
						SCALE	.0400	

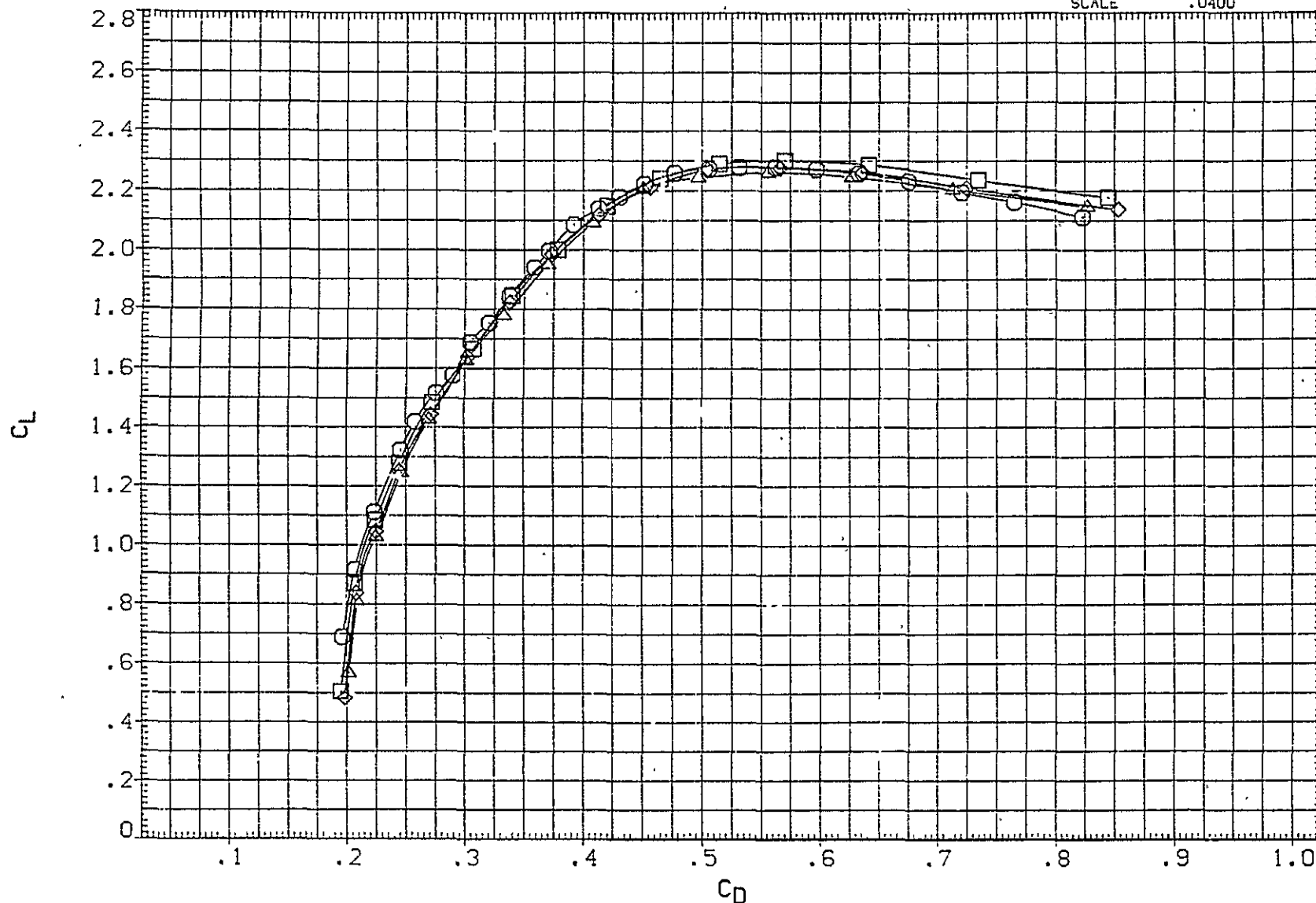


FIG 39 ALT CONFIG. STABILIZER EFFECTIVENESS, FLAPS 30 IORB=8, TC ON, ELEV=-5
MAIN BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

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REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RJF061)	○	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401
(RJF060)	□	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401
(RJF062)	◇	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401

ELEVTR	STAB	BETA
17.000	-2.000	.000
.000	-2.000	.000
-23.000	-2.000	.000

REFERENCE INFORMATION		
SREF	5500.0000	SQ.FT.
LREF	327.8000	IN.
BPEF	2348.0000	IN.
XMRP	1339.9100	IN.XC
YMRP	.0000	IN.YC
ZMRP	190.7500	IN.ZC
SCALE	.0400	

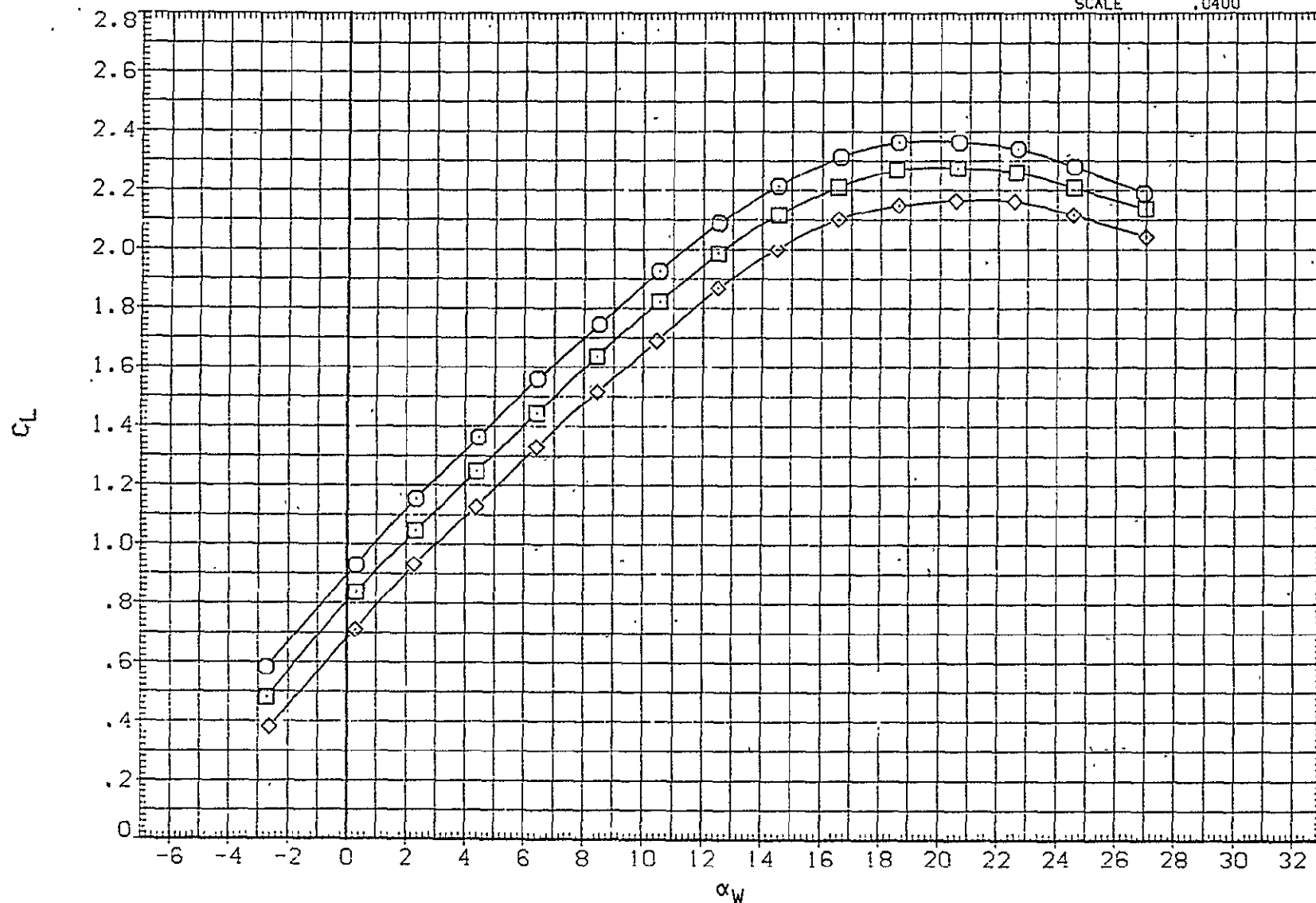


FIG 40 ALT CONFIG. ELEVATOR EFFECTIVENESS, FLAPS 30 IORB=8, TC ON, ELEV=-5
MAIN BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BETA	REFERENCE INFORMATION		
(RJF061)	○	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	17.000	-2.000	.000	SREF	5500.0000	SQ.FT.
(RJF060)	□	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	.000	-2.000	.000	LREF	327.8000	IN.
(RJF062)	◇	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	-23.000	-2.000	.000	BREF	2348.0000	IN.
						XMRP	1339.9100	IN.XC
						YMRP	.0000	IN.YC
						ZMRP	190.7500	IN.ZC
						SCALE	.0400	

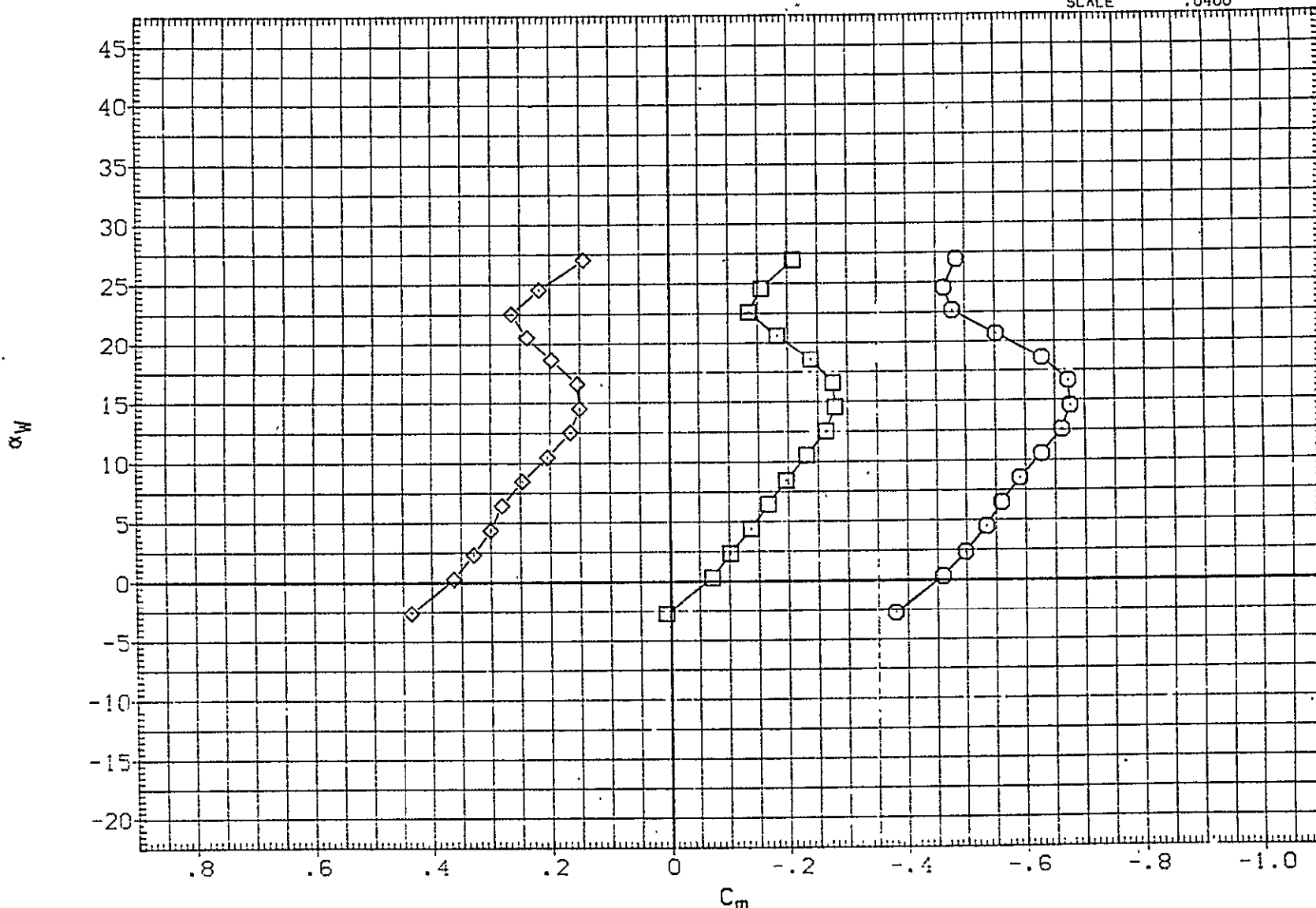


FIG 40 ALT CONFIG. ELEVATOR EFFECTIVENESS, FLAPS 30 IORB=8, TC ON, ELEV=-5
MAIN BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(RJF061) (CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401
 (RJF060) (CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401
 (RJF062) (CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401

ELEVTR STAB BETA
 17.000 -2.000 .000
 .000 -2.000 .000
 -23.000 -2.000 .000

REFERENCE INFORMATION

SREF 5500.0000 SQ.FT.
 LREF 327.8000 IN.
 BREF 2348.0000 IN.
 XMRP 1339.9100 IN.XC
 YMRP .0000 IN.YC
 ZMRP 190.7500 IN.ZC
 SCALE .0400

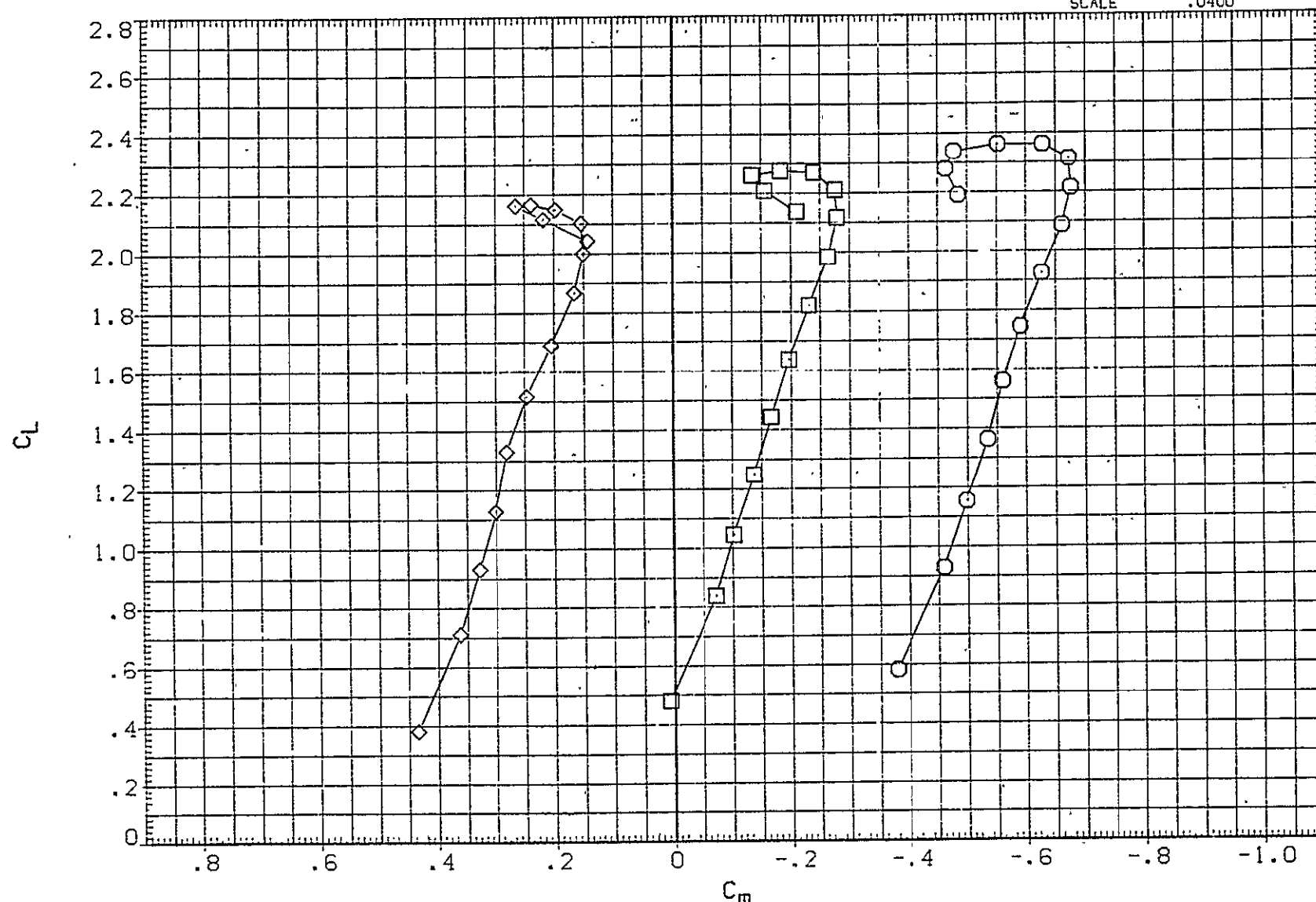


FIG 40 ALT CONFIG. ELEVATOR EFFECTIVENESS, FLAPS 30 IORB=8, TC ON, ELEV=-5
 MAIN BALANCE DATA-ALPHA SWEEPS

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RJF061)	○	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401
(RJF060)	□	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401
(RJF062)	◇	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401

ELEVTR	STAB	BETA
17.000	-2.000	.000
.000	-2.000	.000
-23.000	-2.000	.000

REFERENCE INFORMATION		
SREF	5500.0000	50.FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMRP	1339.9100	IN.XC
YMRP	.0000	IN.YC
ZMRP	190.7500	IN.ZC
SCALE	.0400	

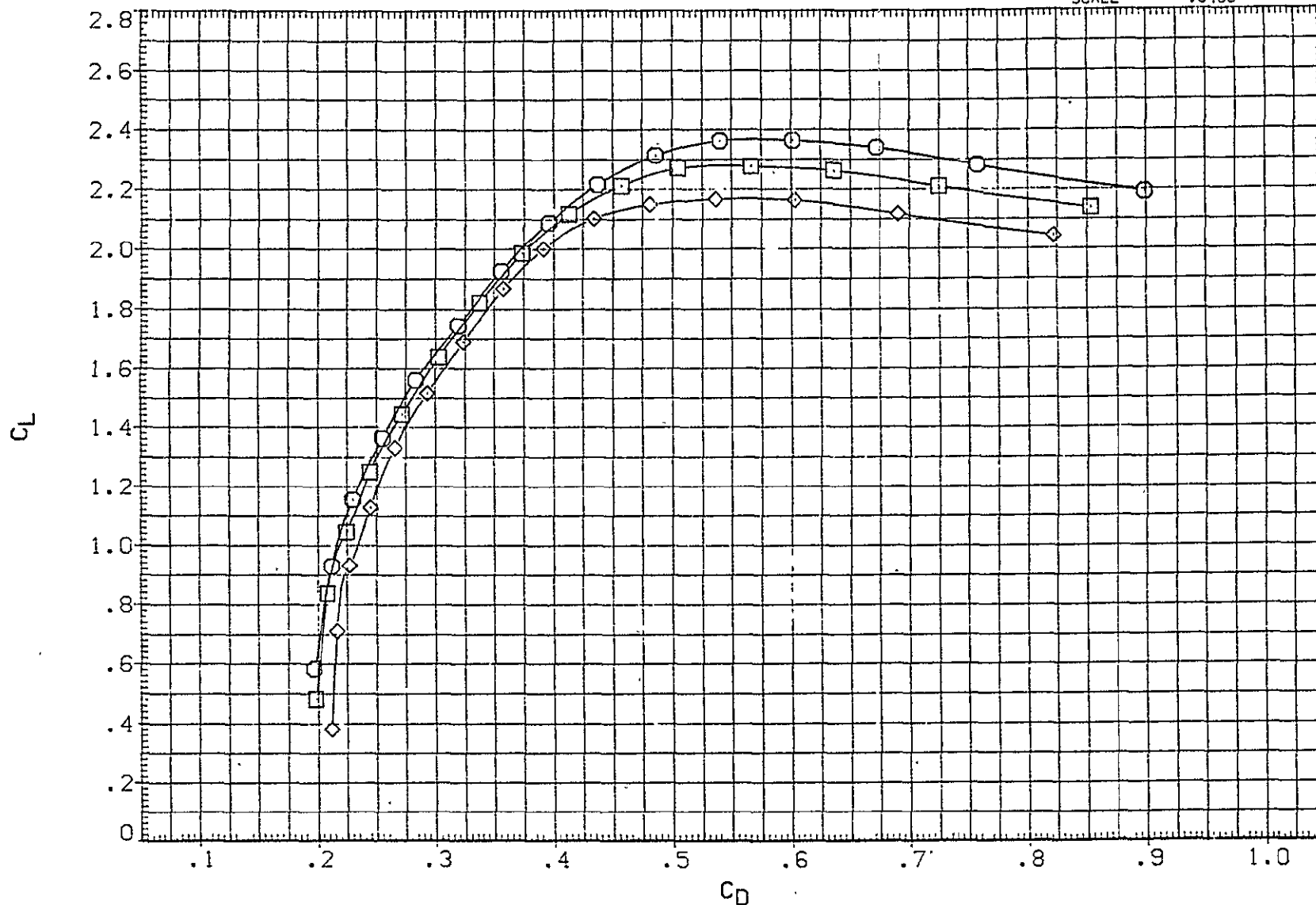


FIG 40 ALT CONFIG. ELEVATOR EFFECTIVENESS, FLAPS 30 IORB=8, TC ON, ELEV=-5
MAIN BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BETA	REFERENCE INFORMATION		
(R)F114)	○	(CA-8) K3V9.1.2TS5 F10TS402			.000	SREF	5500.0000	50.FT.
(R)F113)	□	(CA-8) K3V9.1.2TS5H15.6.1F10TS402	.000	2.000	.000	LREF	327.8000	IN.
(R)F111)	◇	(CA-8) K3V9.1.2TS5H15.6.1F10TS402	.000	.000	.000	BREF	2348.0000	IN.
(R)F112)	△	(CA-8) K3V9.1.2TS5H15.6.1F10TS402	.000	-2.000	.000	XMRP	1339.9100	IN. XC
						YMRP	.0000	IN. YC
						ZMRP	190.7500	IN. ZC
						SCALE	.0400	

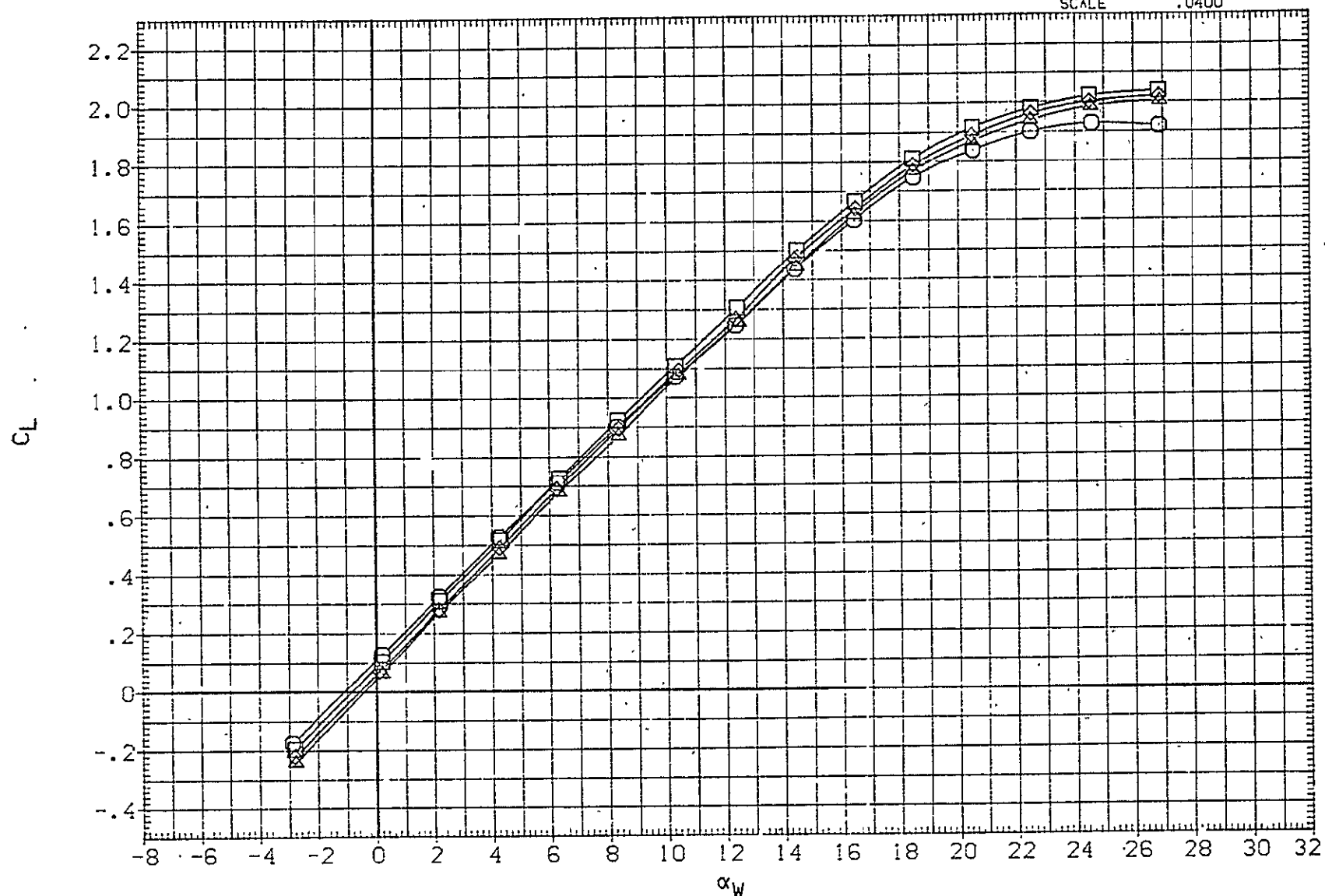


FIG 41 ALT CONFIG. STABILIZER EFFECTIVENESS, FLAPS 10 IORB=8, TC OFF, ELEV=-5
MAIN BALANCE DATA-ALPHA SWEEPS

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RJF114)	○	(CA-8) K3V9.1.2TS5 F10TS402
(RJF113)	□	(CA-8) K3V9.1.2TS5H15.6.1F10TS402
(RJF111)	◇	(CA-8) K3V9.1.2TS5H15.6.1F10TS402
(RJF112)	△	(CA-8) K3V9.1.2TS5H15.6.1F10TS402

ELEVTR	STAB	BETA
.000	2.000	.000
.000	.000	.000
.000	-2.000	.000

REFERENCE INFORMATION		
SREF	5500.0000	SQ.FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMRP	1339.9100	IN. XC
YMRP	.0000	IN. YC
ZMRP	190.7500	IN. ZC
SCALE	.0400	

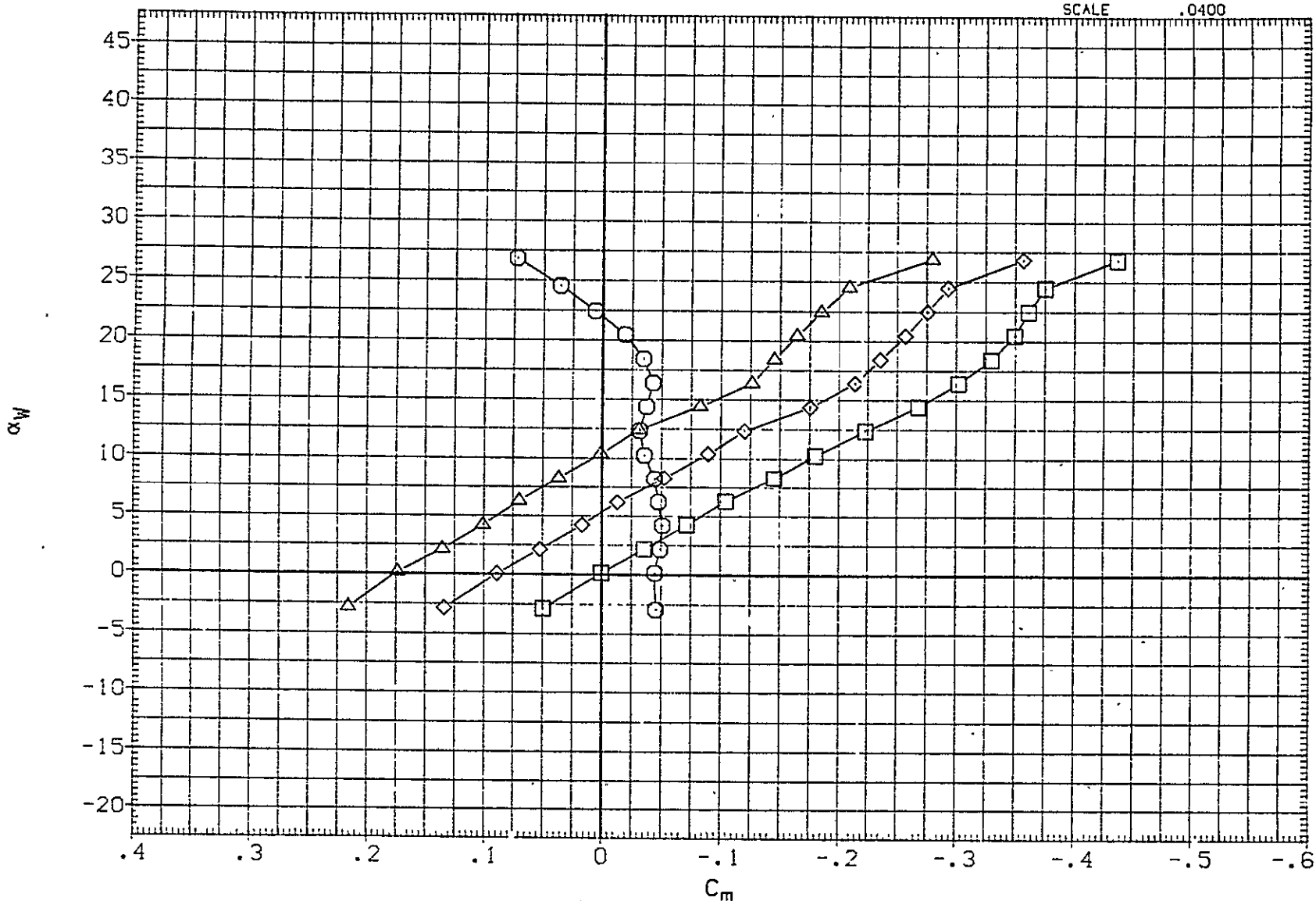


FIG 41 ALT CONFIG. STABILIZER EFFECTIVENESS, FLAPS 10 10RB=8, TC OFF, ELEV=-5
MAIN BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RJF114)	○	(CA-8) K3V9.1.2TS5 F1OTS402
(RJF113)	□	(CA-8) K3V9.1.2TS5H15.6.1F1OTS402
(RJF111)	◇	(CA-8) K3V9.1.2TS5H15.6.1F1OTS402
(RJF112)	△	(CA-8) K3V9.1.2TS5H15.6.1F1OTS402

ELEVTR	STAB	BETA
.000	2.000	.000
.000	.000	.000
.000	-2.000	.000

REFERENCE INFORMATION		
SREF	5500.0000	SQ.FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMRP	1339.9100	IN.XC
YMRP	.0000	IN.YC
ZMRP	190.7500	IN.ZC
SCALE	.0400	

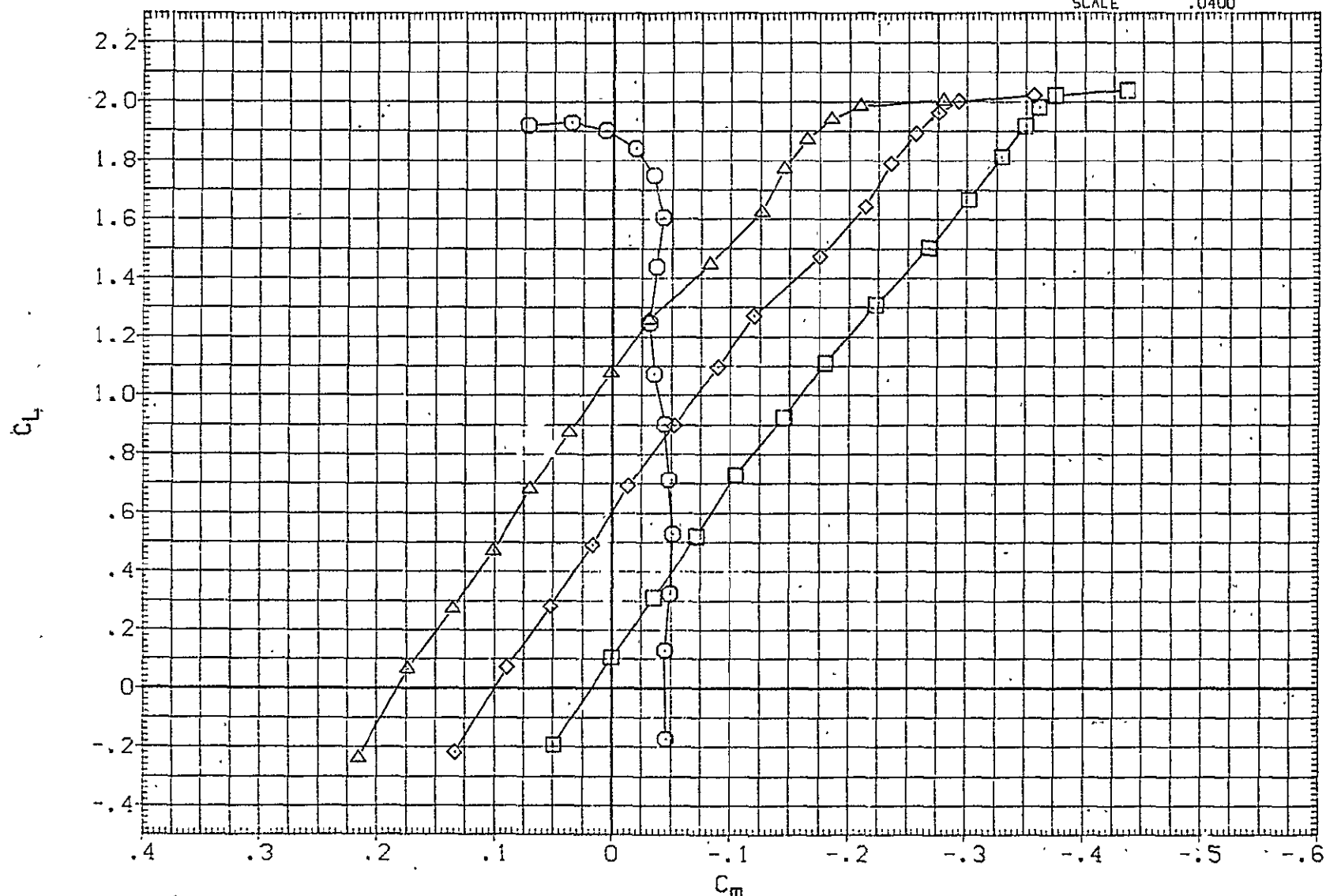


FIG 41 ALT CONFIG. STABILIZER EFFECTIVENESS, FLAPS 10 IORB=8, TC OFF, ELEV=-5
MAIN BALANCE DATA-ALPHA SWEEPS

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RJF114)	○	(CA-8) K3V9.1.2TS5 F10TS402
(RJF113)	□	(CA-8) K3V9.1.2TS5H15.6.1F10TS402
(RJF111)	×	(CA-8) K3V9.1.2TS5H15.6.1F10TS402
(RJF112)	△	(CA-8) K3V9.1.2TS5H15.6.1F10TS402

ELEVTR	STAB	BETA
		.000
.000	2.000	.000
.000	.000	.000
.000	-2.000	.000

REFERENCE INFORMATION		
SREF	5500.0000	50.FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMRP	1339.9100	IN. XC
YMRP	.0000	IN. YC
ZMRP	190.7500	IN. ZC
SCALE	.0400	

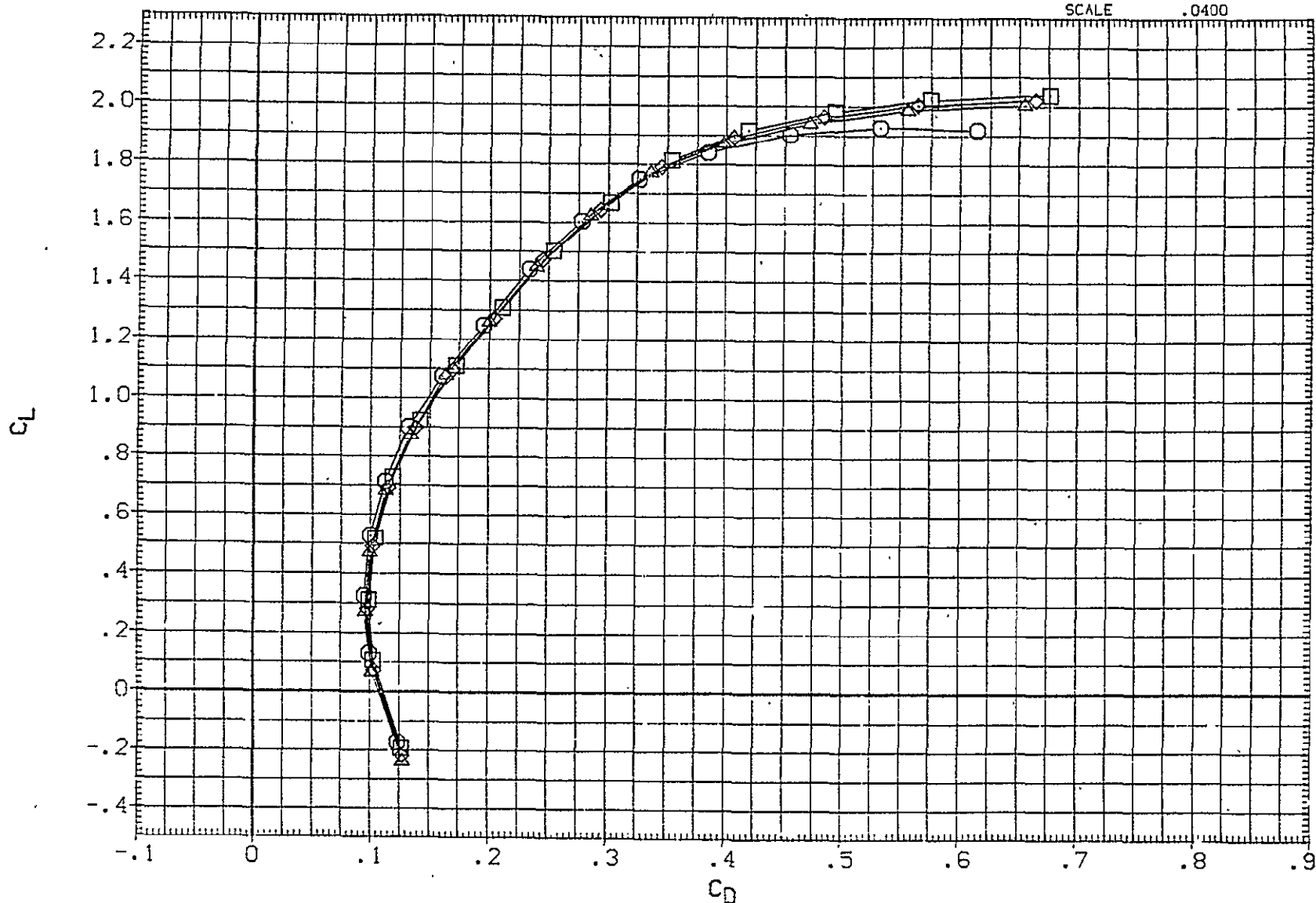


FIG 41 ALT CONFIG. STABILIZER EFFECTIVENESS, FLAPS 10 10RB=8, TC OFF, ELEV=-5
MAIN BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BETA	REFERENCE INFORMATION	
(RJF073)	○	(CA-8) K3V9.1.2TS5 F3065.3.5TS402			.000	SREF	5500.0000 SQ.FT.
(RJF076)	□	(CA-8) K3V9.1.2TS5H15.6.1F3065.3.5TS402	.000	.000	.000	LREF	327.8000 IN.
(RJF075)	◇	(CA-8) K3V9.1.2TS5H15.6.1F3065.3.5TS402	.000	-2.000	.000	BREF	2348.0000 IN.
(RJF074)	△	(CA-8) K3V9.1.2TS5H15.6.1F3065.3.5TS402	.000	-4.000	.000	XMRP	1339.9100 IN.XC
						YMRP	.0000 IN.YC
						ZMRP	190.7500 IN.ZC
						SCALE	.0400

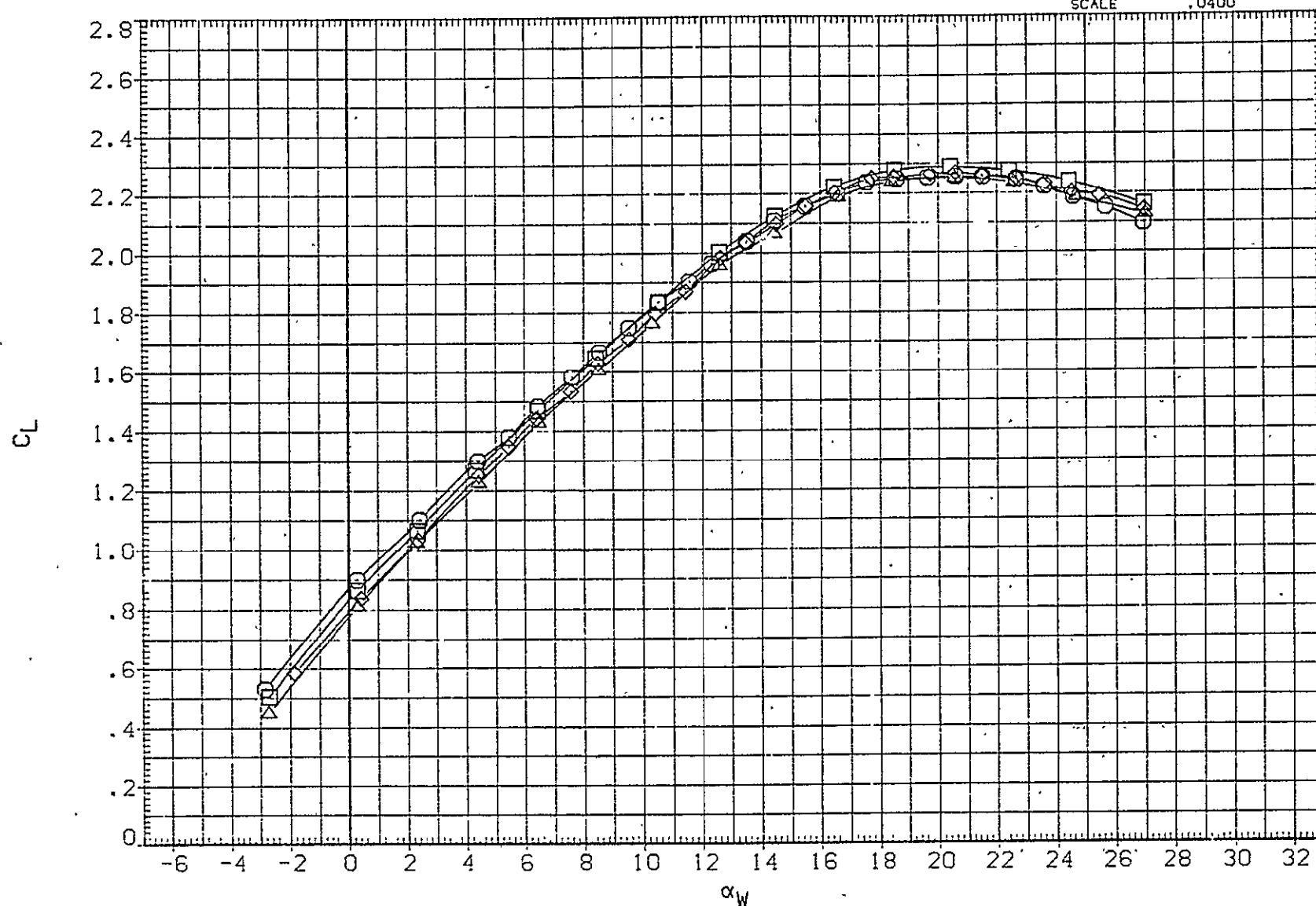


FIG 42 ALT CONFIG. STABILIZER EFFECTIVENESS, FLAPS 30 IORB=8, TC OFF, ELEV=-5
MAIN BALANCE DATA-ALPHA SWEEPS

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BETA	REFERENCE INFORMATION		
(PJF073)	○	(CA-8) K3V9.1.2TS5 F30G5.3.5TS402			.000	SREF	5500.0000	SQ.FT.
(RJF076)	□	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402	.000	.000	.000	LREF	327.8000	IN.
(RJF075)	◇	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402	.000	-2.000	.000	BREF	2348.0000	IN.
(RJF074)	△	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402	.000	-4.000	.000	XMRP	1339.9100	IN.XC
						YMRP	.0000	IN.YC
						ZMRP	190.7500	IN.ZC
						SCALE	.0400	

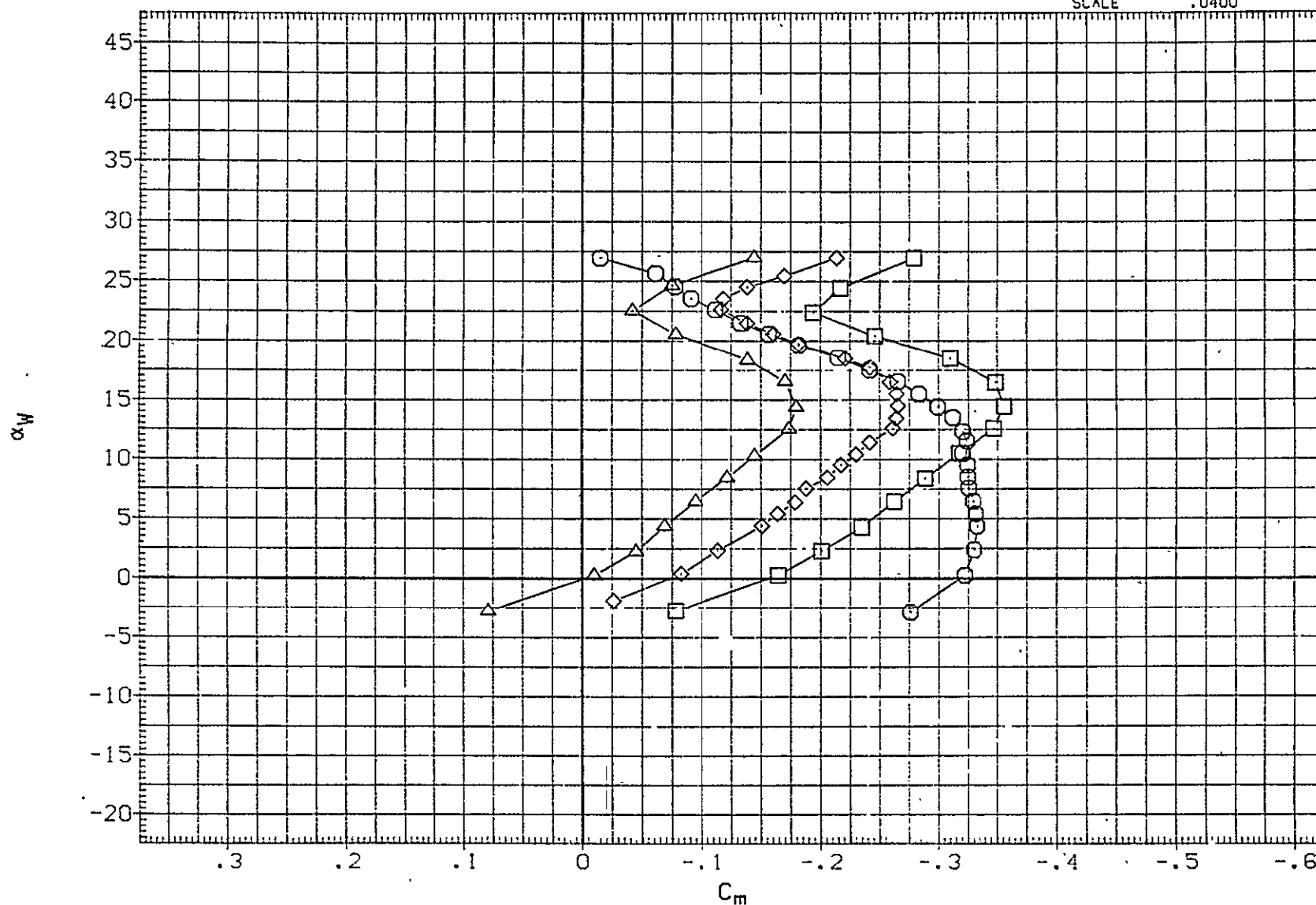


FIG 42 ALT CONFIG. STABILIZER EFFECTIVENESS, FLAPS 30 IORB=8, TC OFF, ELEV=-5
MAIN BALANCE DATA-ALPHA SWEEPS

(A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BETA	REFERENCE INFORMATION	
(RJF073)	○	(CA-8) K3V9.1.2TSS F30G5.3.5TS402			.000	SREF	5500.0000 SQ.FT.
(RJF076)	□	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402	.000	.000	.000	LREF	327.8000 IN.
(RJF075)	◇	(CA-8) K3V9.1.2TSSH15.6.1F30G5.3.5TS402	.000	-2.000	.000	BREF	2348.0000 IN.
(RJF074)	△	(LA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402	.000	-4.000	.000	XMRP	1339.9100 IN.XC
						YMRP	.0000 IN.YC
						ZMPP	190.7500 IN.ZC
						SCALE	.0400

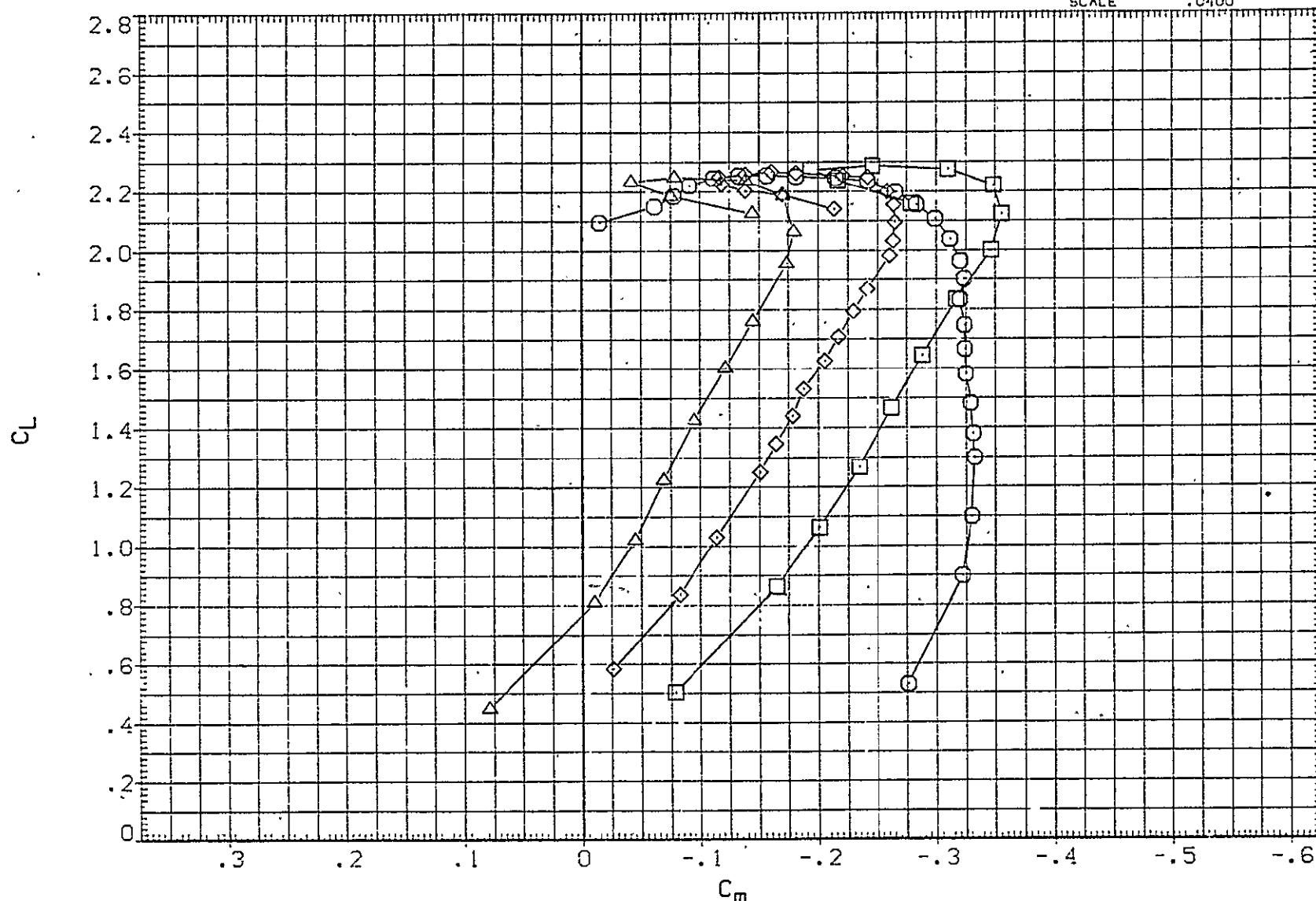


FIG 42 ALT CONFIG. STABILIZER EFFECTIVENESS. FLAPS 30 IORB=8, TC OFF, ELEV=-5
MAIN BALANCE DATA-ALPHA SWEEPS

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BETA	REFERENCE INFORMATION		
(PJF073)	○	(CA-8) K3V9.1.2TS5 F30G5.3.5TS402			.000	SREF	5500.0000	50.FT.
(RJF076)	□	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402	.000	.000	.000	LREF	327.8000	IN.
(RJF075)	×	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402	.000	-2.000	.000	BREF	2348.0000	IN.
(RJF074)	△	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402	.000	-4.000	.000	XMPP	1339.9100	IN.XC
						YMRP	.0000	IN.YC
						ZMRP	190.7500	IN.ZC
						SCALE	.0400	

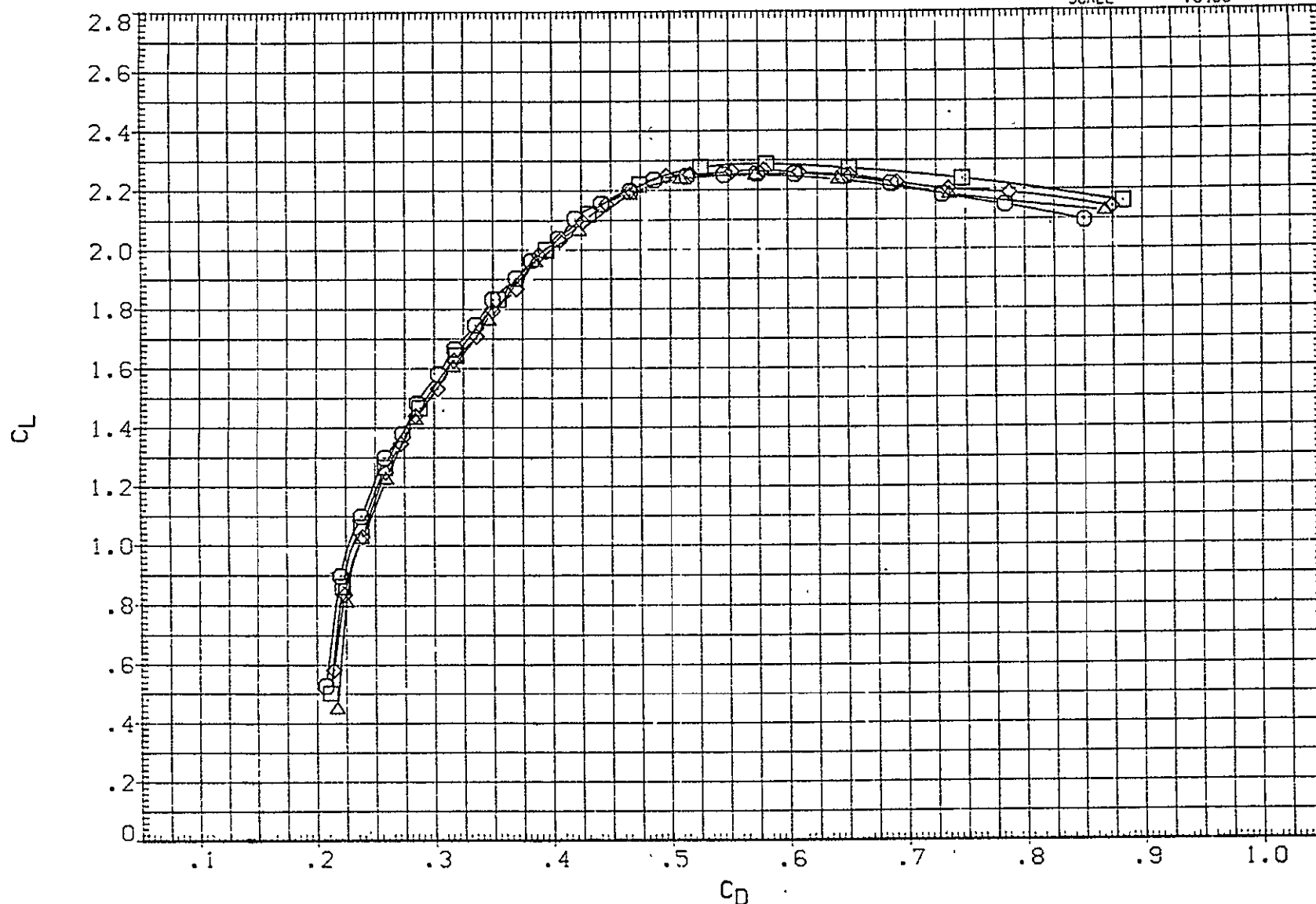


FIG 42 ALT CONFIG. STABILIZER EFFECTIVENESS. FLAPS 30 IORB=8.TC OFF, ELEV=-5
MAIN BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RJF515)	○	(CA-8) K1.2 TS1
(RJF528)	□	(CA-8) K1.2 TS1 (INVERTED)

GP	BETA
87.000	.000
87.000	.000

REFERENCE INFORMATION		
SREF	5500.0000	50. FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMRP	1339.9100	IN. XC
YMRP	.0000	IN. YC
ZMRP	190.7500	IN. ZC
SCALE	.0400	

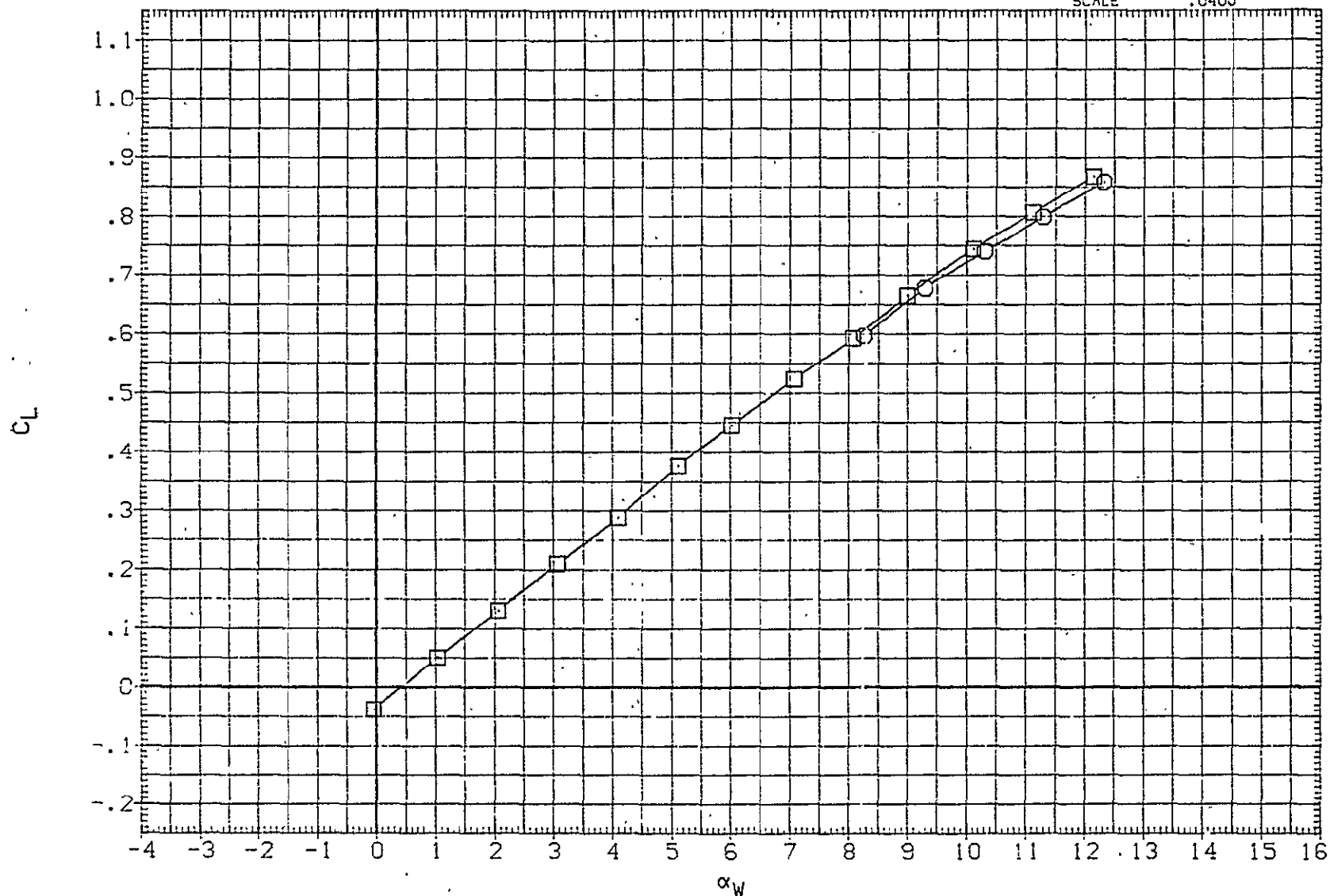


FIG 43 BASIC 747 MODEL 87 INCHES ABOVE FLOOR, FLOW ANGULARITY, HORIZ OFF
MAIN BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION	DESCRIPTION
(RJF515)	○	(CA-8) K1.2	TS1
(RJF528)	□	(CA-8) K1.2	TS1 (INVERTED)

GP	BETA
87.000	.000
87.000	.000

REFERENCE INFORMATION		
SREF	5500.0000	50. FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMRP	1339.9100	IN. XC
YMRP	.0000	IN. YC
ZMRP	190.7500	IN. ZC
SCALE	.0400	

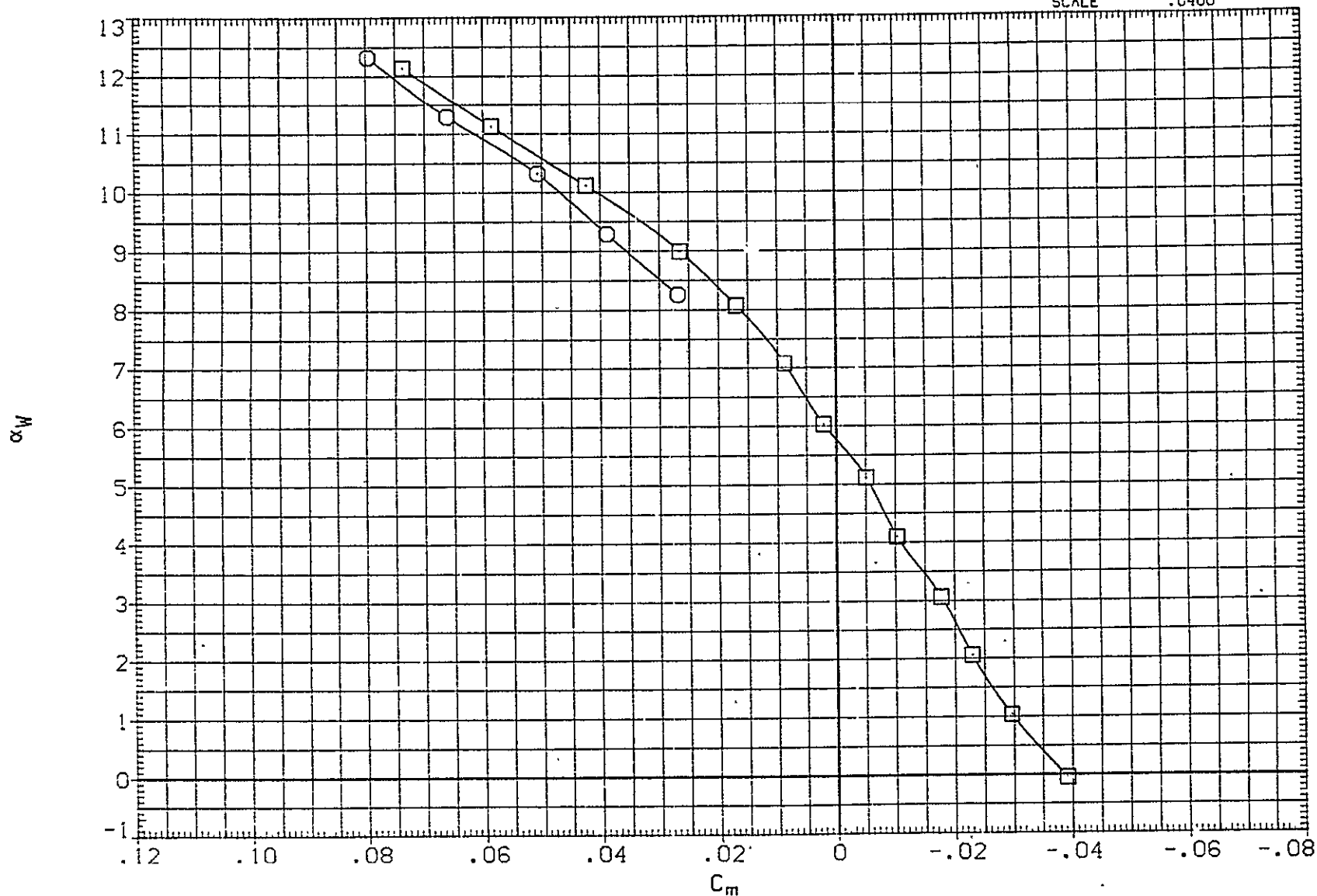


FIG 43 BASIC 747 MODEL 87 INCHES ABOVE FLOOR, FLOW ANGULARITY, HORIZ OFF
MAIN BALANCE DATA-ALPHA SWEEPS

(A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION	DESCRIPTION
(RJF515)	○	(CA-8) K1.2	TS1
(RJF528)	□	(CA-8) K1.2	TS1 (INVERTED)

GP	BETA
87.000	.000
87.000	.000

REFERENCE INFORMATION		
SREF	5500.0000	SQ.FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMRP	1339.9100	IN.XC
YMRP	.0000	IN.YC
ZMRP	190.7500	IN.ZC
SCALE	.0400	

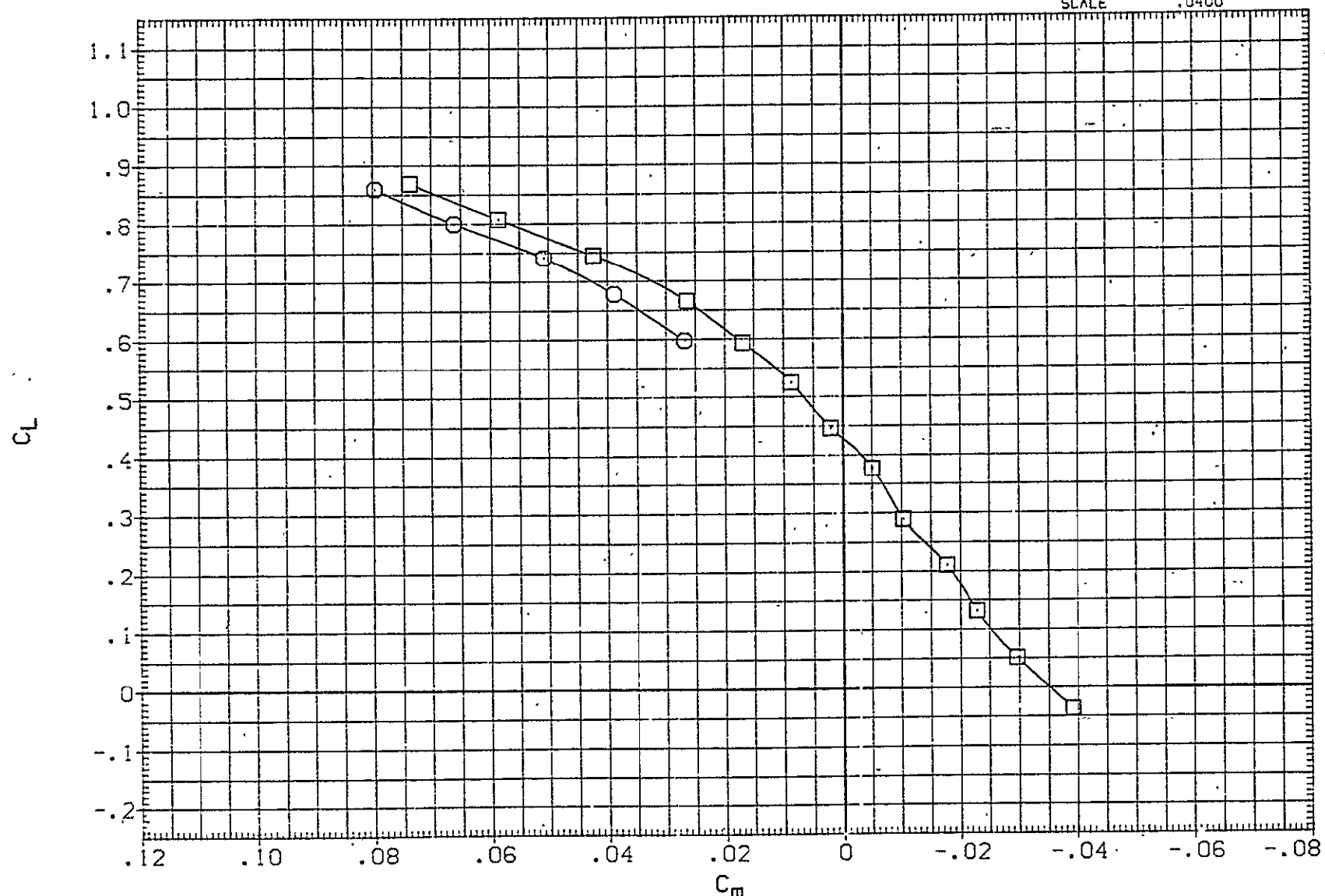


FIG 43 BASIC 747 MODEL 87 INCHES ABOVE FLOOR, FLOW ANGULARITY, HORIZ OFF
MAIN BALANCE DATA-ALPHA SWEEPS

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RJF515)	○	(CA-8) K1.2 TSI
(RJF528)	□	(CA-8) K1.2 TSI (INVERTED)

GP	BETA
87.000	.000
87.000	.000

REFERENCE INFORMATION		
SREF	5500.0000	SQ.FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMRP	1339.9100	IN.XC
YMRP	.0000	IN.YC
ZMRP	190.7500	IN.ZC
SCALE	.0400	

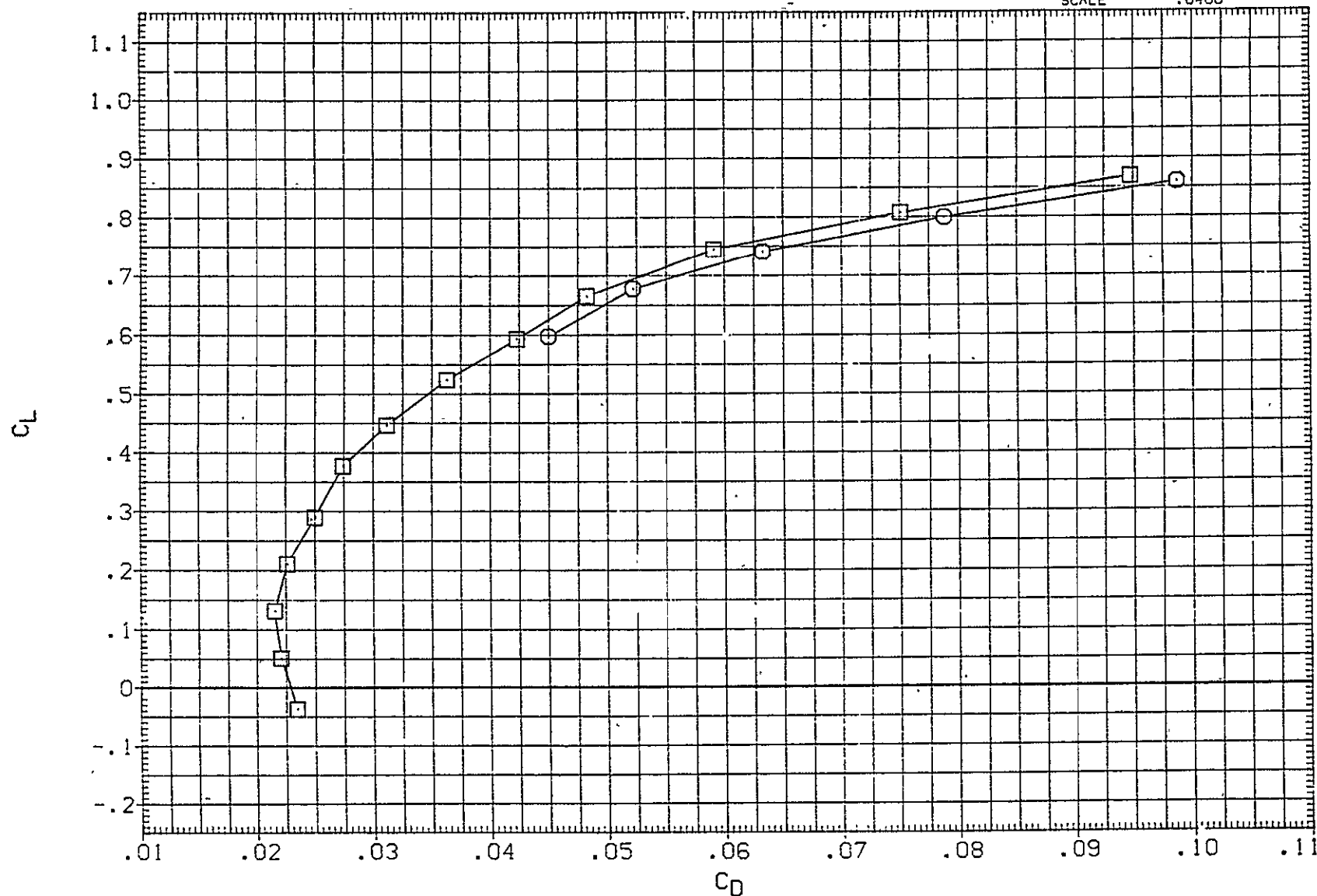


FIG 43 BASIC 747 MODEL 87 INCHES ABOVE FLOOR, FLOW ANGULARITY, HORIZ OFF
MAIN BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RJF514)	○	(CA-8) K1.2 TS1
(RJF527)	□	(CA-8) K1.2 TS1 (INVERTED)

GP	BETA
65.000	.000
65.000	.000

REFERENCE INFORMATION		
SREF	5500.0000	50.FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMRP	1339.9100	IN.XC
YMRP	.0000	IN.YC
ZMRP	190.7500	IN.ZC
SCALE	.0400	

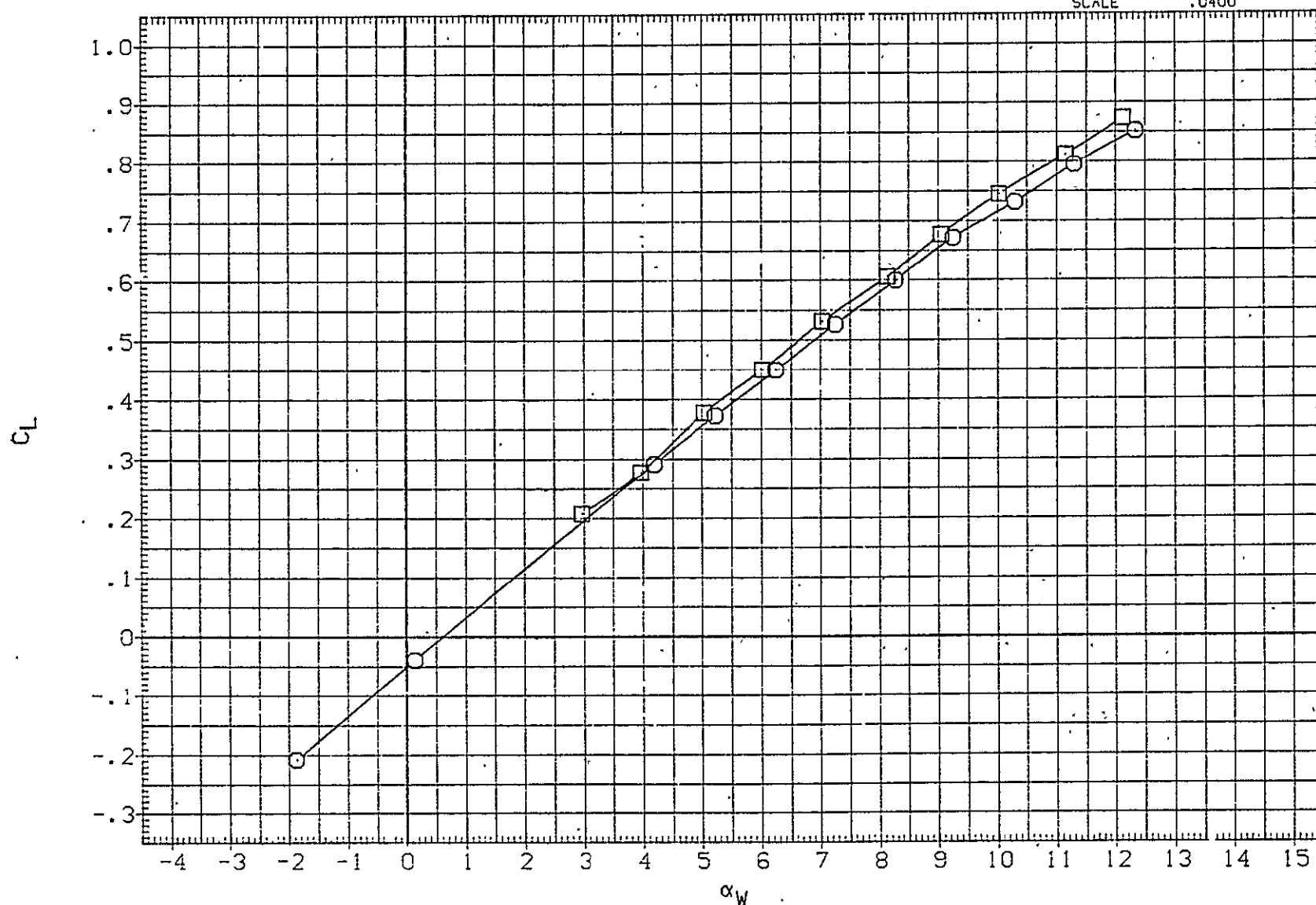


FIG 44 BASIC 747 MODEL 65 INCHES ABOVE FLOOR, FLOW ANGULARITY, HORIZ OFF
MAIN BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RJF514)	○	(CA-8) K1.2 TSI
(RJF527)	□	(CA-8) K1.2 TSI (INVERTED)

GP	BETA
65.000	.000
65.000	.000

REFERENCE INFORMATION		
SREF	5500.0000	SQ.FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMRP	1339.9100	IN.XC
YMRP	.0000	IN.YC
ZMRP	190.7500	IN.ZC
SCALE	.0400	

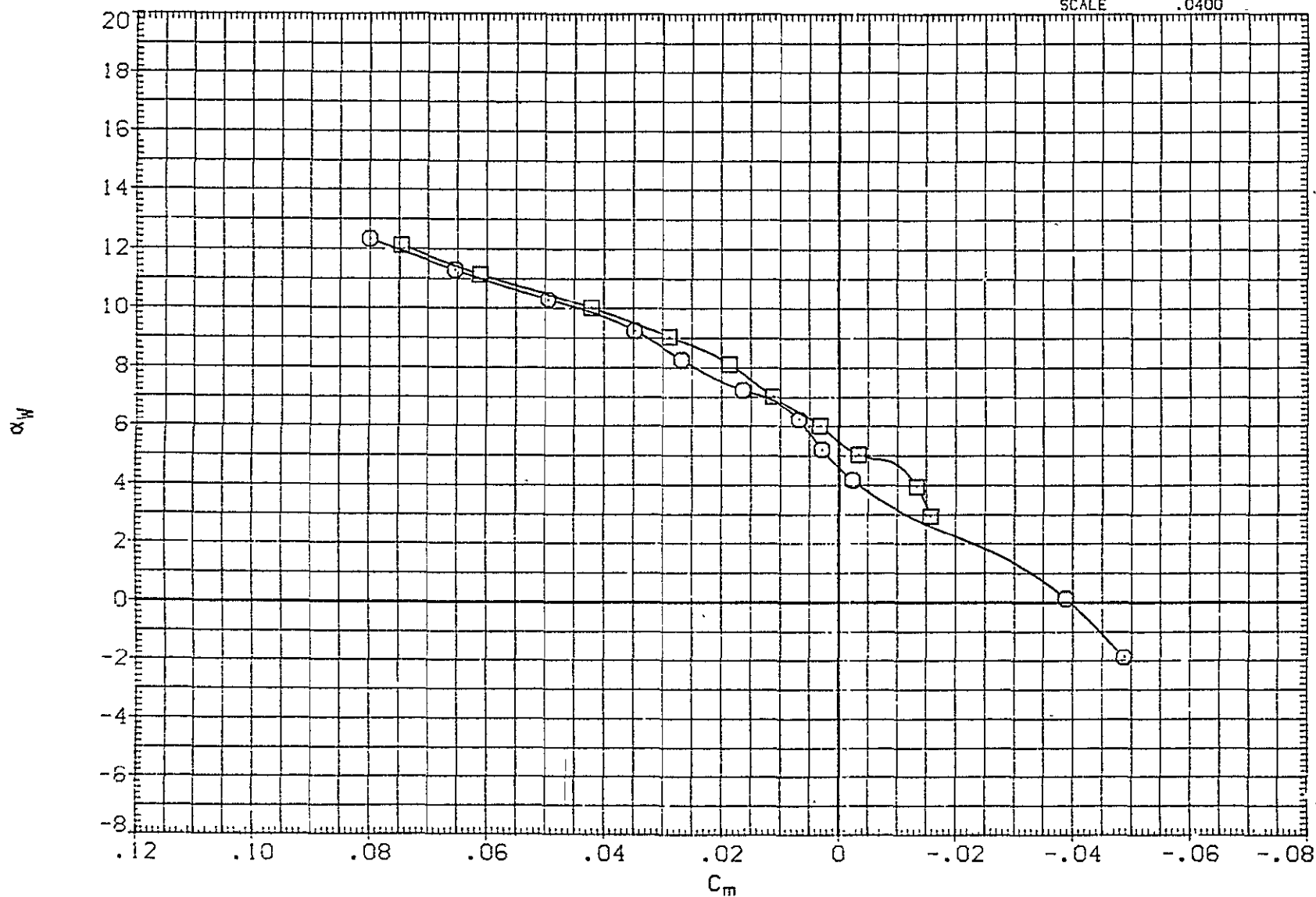


FIG 44 BASIC 747 MODEL 65 INCHES ABOVE FLOOR, FLOW ANGULARITY, HORIZ OFF
MAIN BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RJF514)	○	(CA-8) K1.2 TS1
(RJF527)	□	(CA-8) K1.2 TS1 (INVERTED)

GP	BETA
65.000	.000
65.000	.000

REFERENCE INFORMATION		
SREF	5500.0000	SQ.FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMRP	1339.9100	IN. XC
YMRP	.0000	IN. YC
ZMRP	190.7500	IN. ZC
SCALE	.0400	

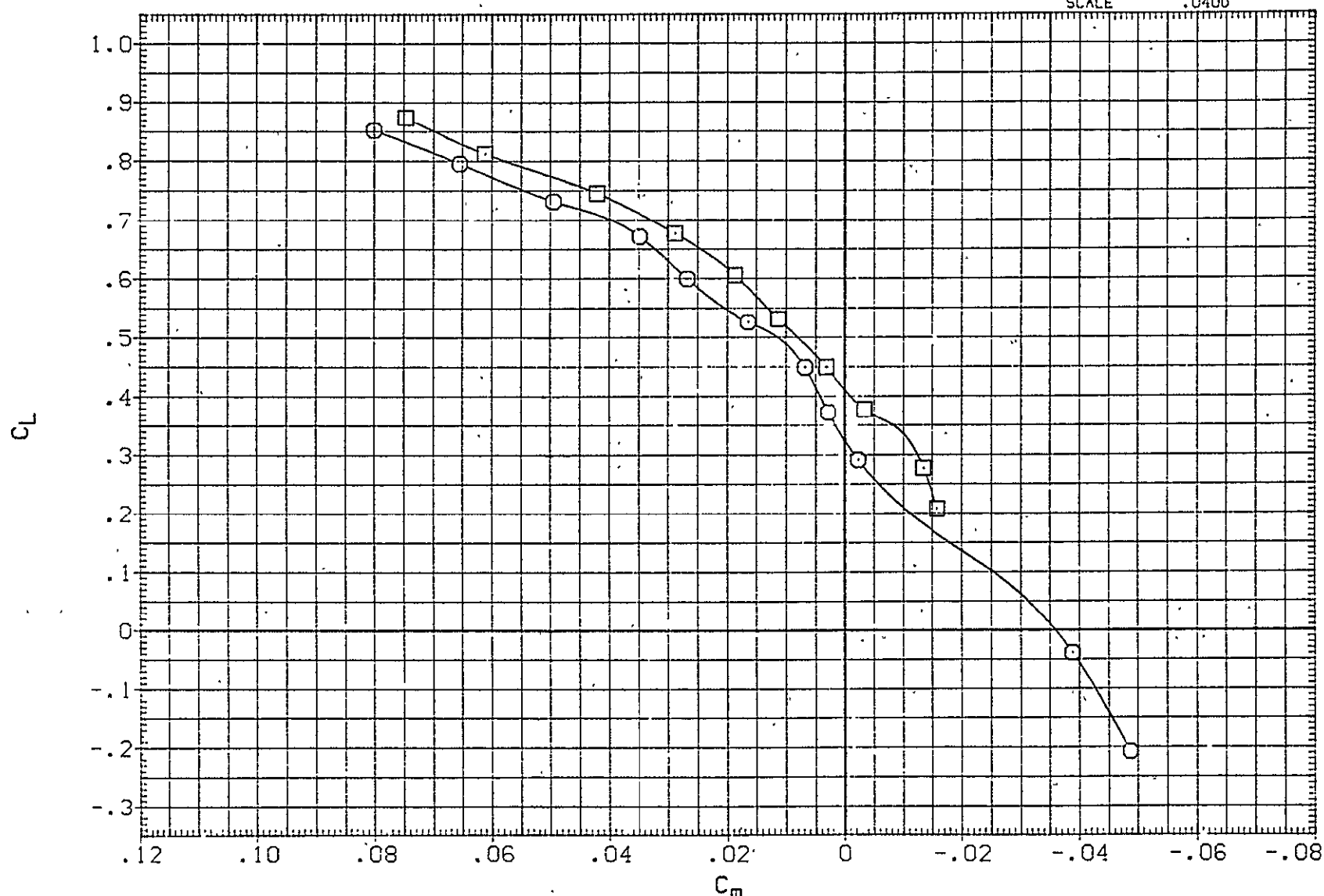


FIG 44 BASIC 747 MODEL 65 INCHES ABOVE FLOOR. FLOW ANGULARITY, HORIZ OFF
MAIN BALANCE DATA-ALPHA SWEEPS

(CA)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RJF514)	○	(CA-8) K1.2 TS1
(RJF527)	□	(CA-8) K1.2 TS1 (INVERTED)

GP	BETA
65.000	.000
65.000	.000

REFERENCE INFORMATION		
SREF	5500.0000	SQ.FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMRP	1339.9100	IN. XC
YMRP	.0000	IN. YC
ZMRP	190.7500	IN. ZC
SCALE	.0400	

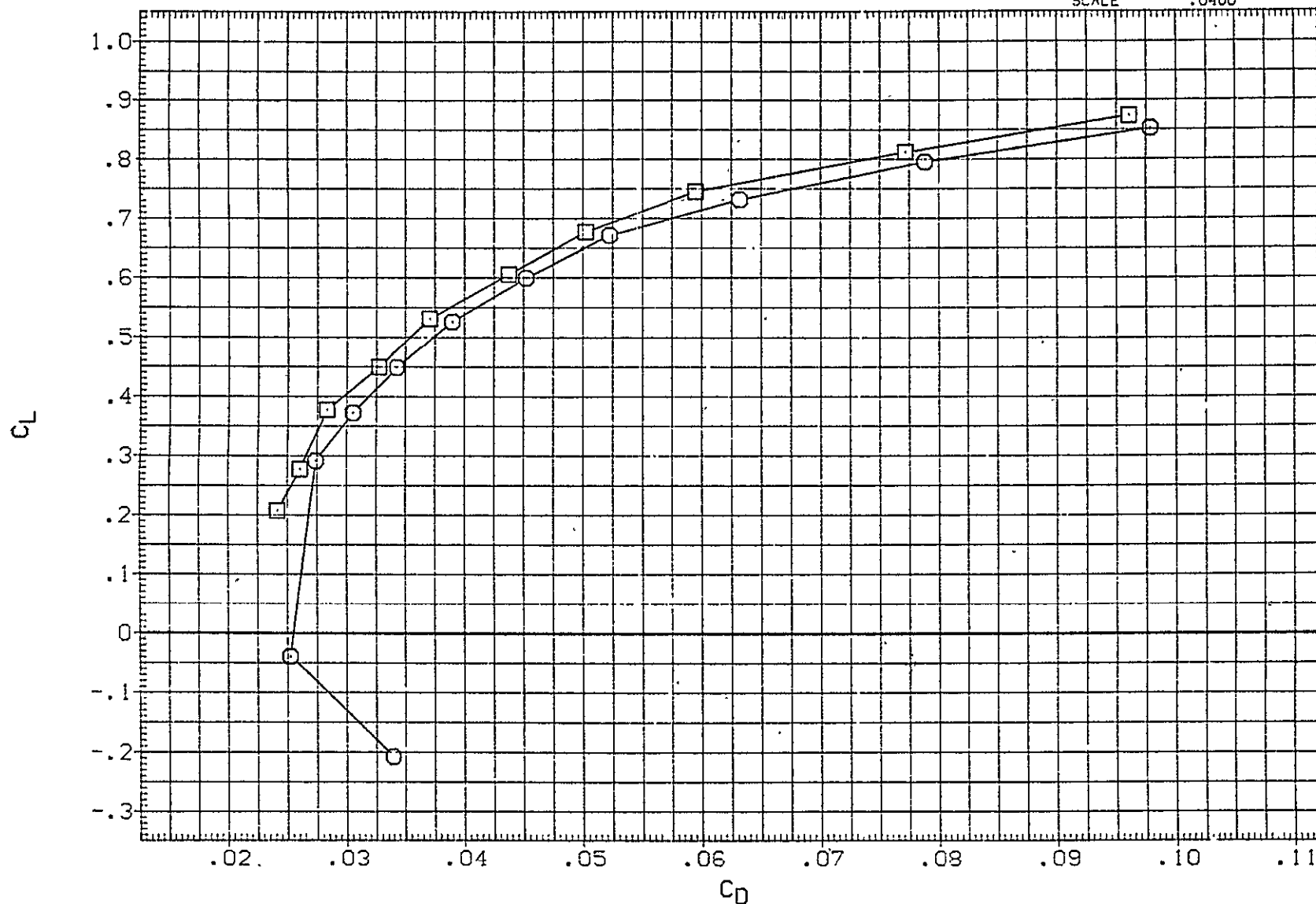


FIG 44 BASIC 747 MODEL 65 INCHES ABOVE FLOOR, FLOW ANGULARITY, HORIZ OFF
MAIN BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RJF516)	○	(CA-8) K1.2 TS1
(RJF526)	□	(CA-8) K1.2 TS1 (INVERTED)

GP	BETA
45.000	.000
45.000	.000

REFERENCE INFORMATION		
SREF	5500.0000	SQ.FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMRP	1339.9100	IN.XC
YMRP	.0000	IN.YC
ZMRP	190.7500	IN.ZC
SCALE	.0400	

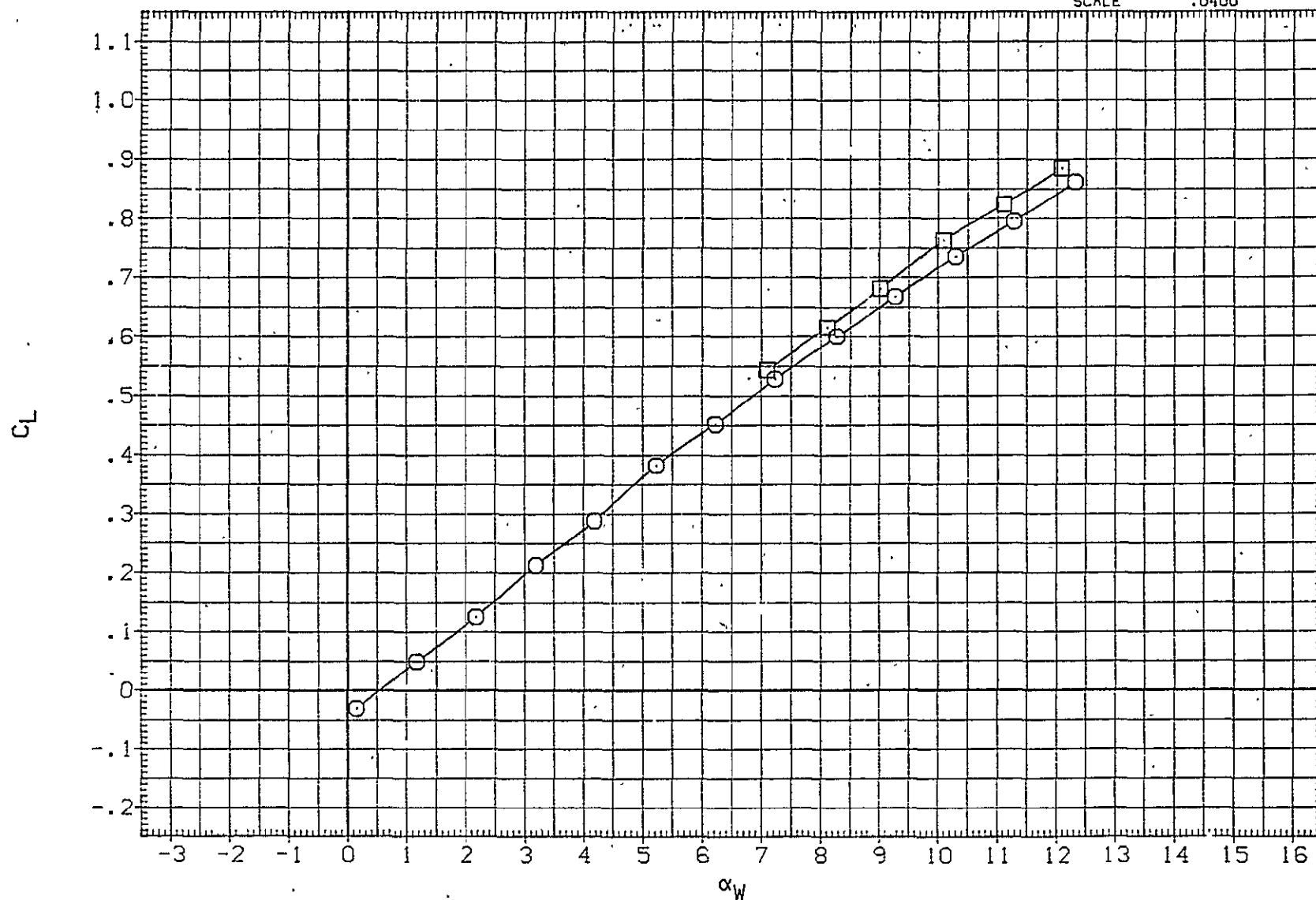


FIG 45 BASIC 747 MODEL 45 INCHES ABOVE FLOOR, FLOW ANGULARITY, HORIZ OFF
MAIN BALANCE DATA-ALPHA SWEEPS

DATA SET	SYMBOL	CONFIGURATION	DESCRIPTION
(RJF516)	○	(CA-8) K1.2	TSI
(RJF526)	□	(CA-8) K1.2	TSI (INVERTED)

GP	BETA
45.000	.000
45.000	.000

REFERENCE INFORMATION		
SREF	5500.0000	SQ. FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMRP	1339.9100	IN. XC
YMRP	.0000	IN. YC
ZMRP	190.7500	IN. ZC
SCALE	.0400	

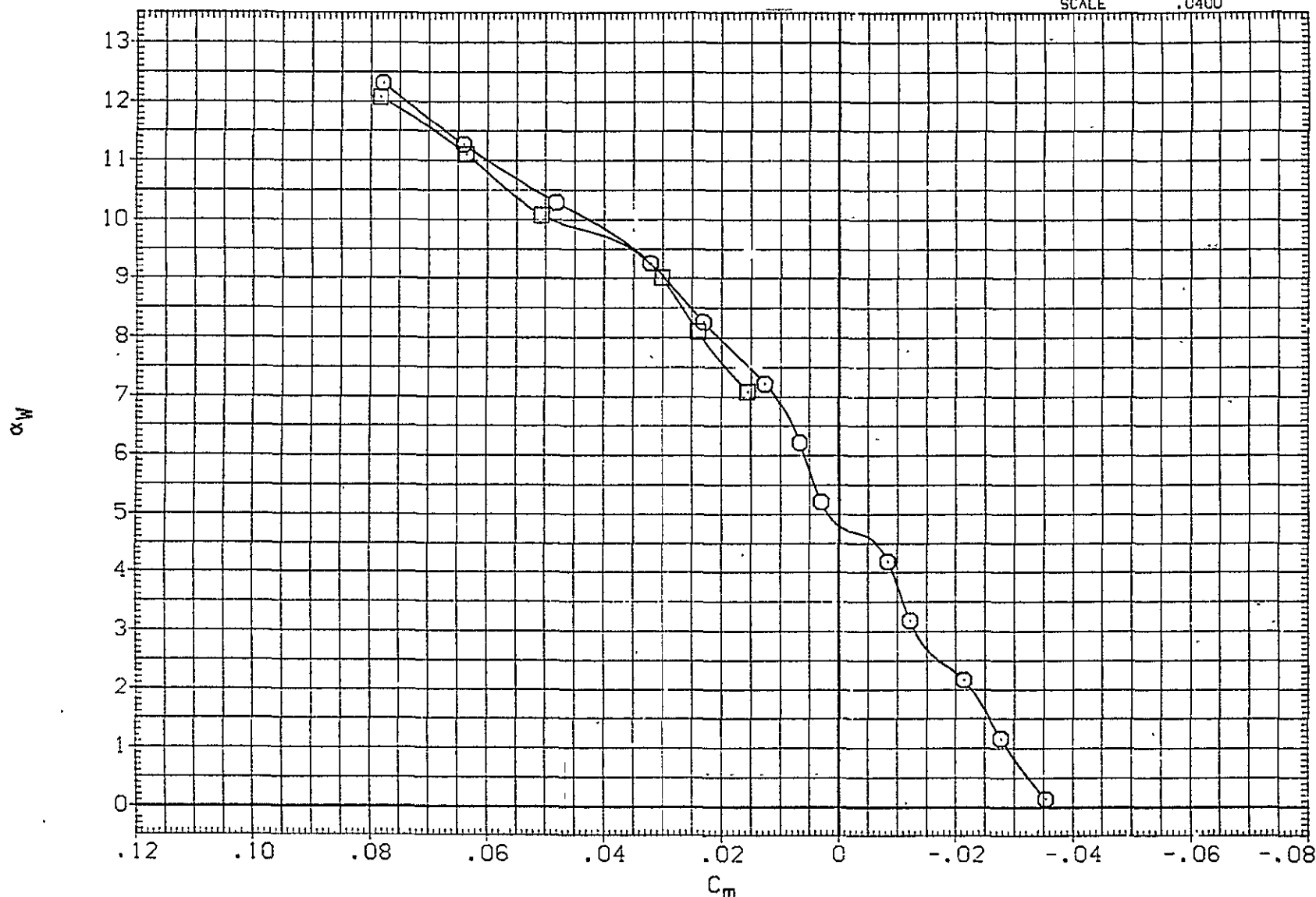


FIG 45 BASIC 747 MODEL 45 INCHES ABOVE FLOOR, FLOW ANGULARITY, HORIZ OFF
MAIN BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RJF516)	○	(CA-8) K1.2 TS1
(RJF526)	□	(CA-8) K1.2 TS1 (INVERTED)

GP	BETA
45.000	.000
45.000	.000

REFERENCE INFORMATION		
SREF	5500.0000	SQ.FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMRP	1339.9100	IN. XC
YMRP	.0000	IN. YC
ZMRP	190.7500	IN. ZC
SCALE	.0400	

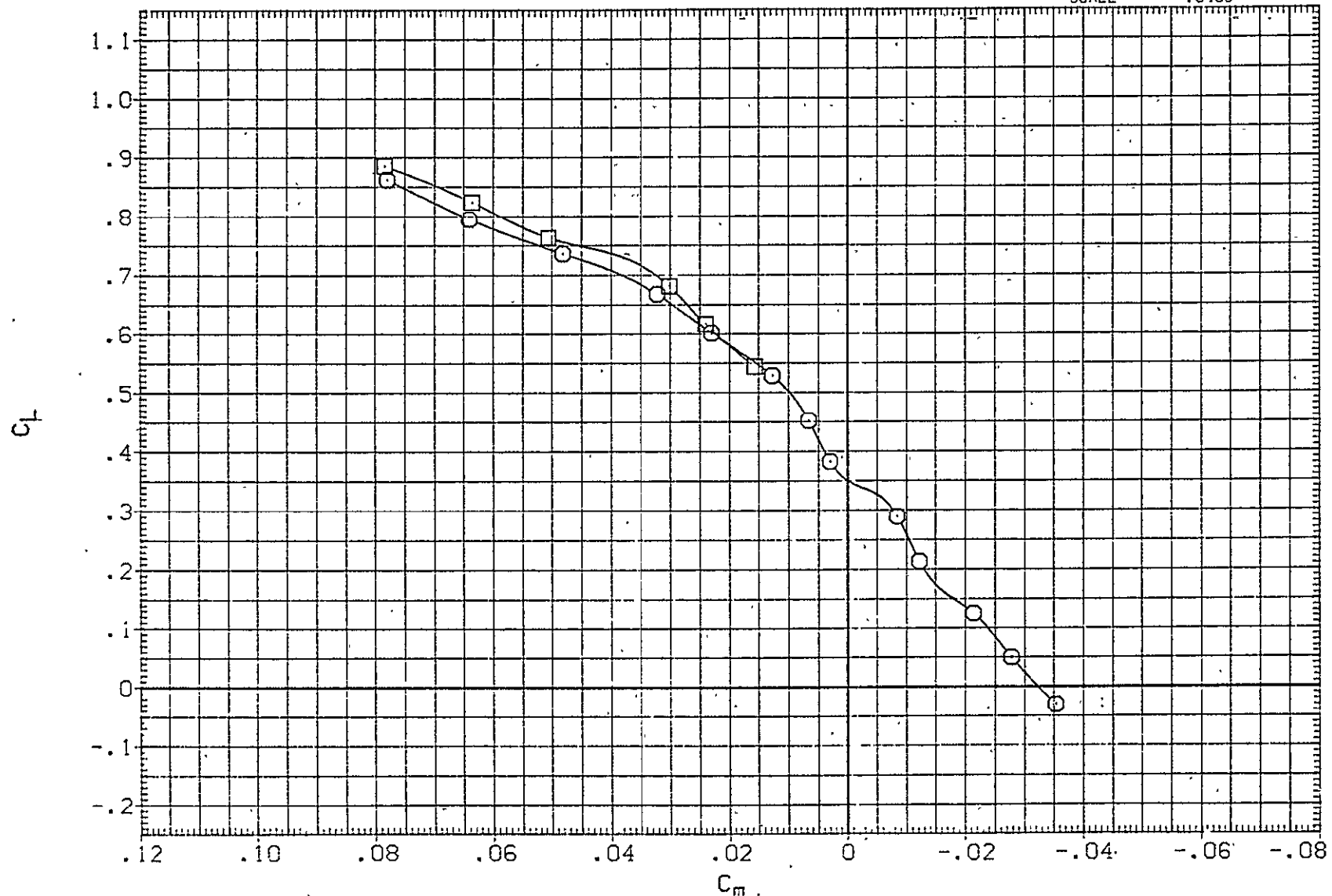


FIG 45 BASIC 747 MODEL 45 INCHES ABOVE FLOOR, FLOW ANGULARITY, HORIZ OFF
MAIN BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RJF516)	○	(CA-8) K1.2 TSI
(RJF526)	□	(CA-8) K1.2 TSI (INVERTED)

GP	BETA
45.000	.000
45.000	.000

REFERENCE INFORMATION		
SREF	5500.0000	50.FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMRP	1339.9100	IN.XC
YMRP	.0000	IN.YC
ZMRP	190.7500	IN.ZC
SCALE	.0400	

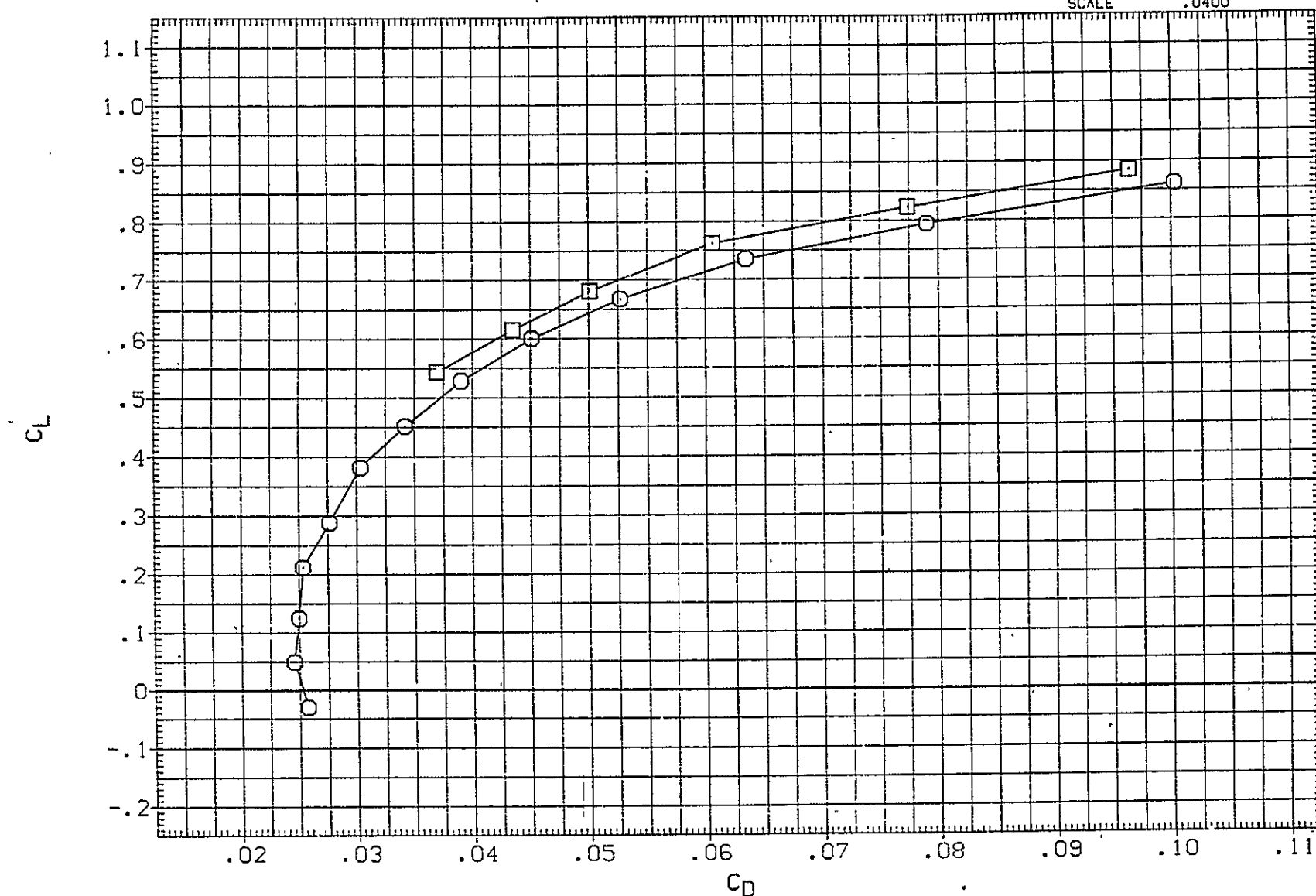


FIG 45 BASIC 747 MODEL 45 INCHES ABOVE FLOOR, FLOW ANGULARITY, HORIZ OFF
MAIN BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RJF518)	○	(CA-8) K1.2H15.1TS1
(RJF524)	□	(CA-8) K1.2H15.1TS1 (INVERTED)

ELEVTR	STAB	BETA
.000	-2.000	.000
.000	-2.000	.000

REFERENCE INFORMATION		
SREF	5500.0000	SQ.FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMRP	1339.9100	IN.XC
YMRP	.0000	IN.YC
ZMRP	190.7500	IN.ZC
SCALE	.0400	

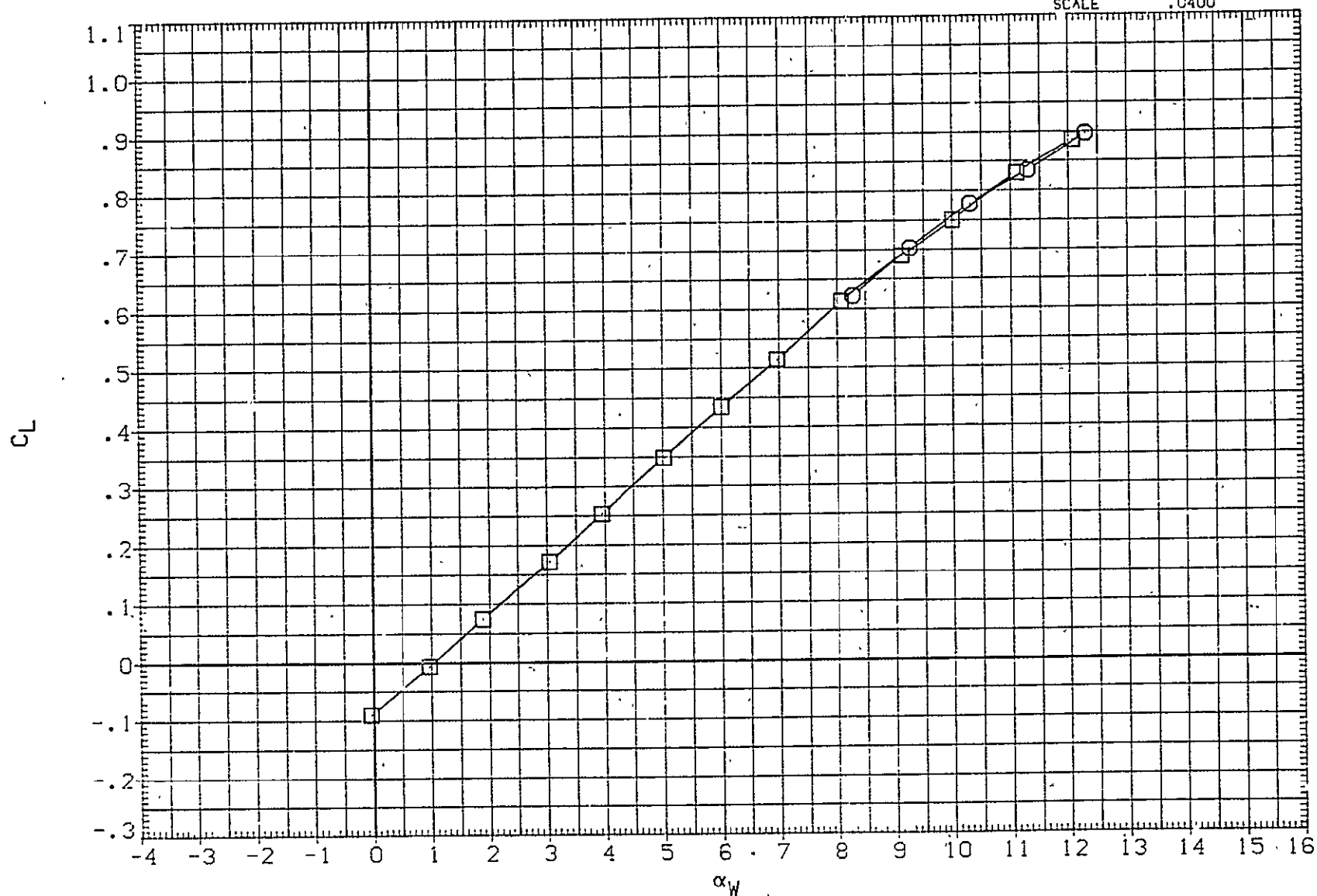


FIG 46 BASIC 747 MODEL 87 INCHES ABOVE FLOOR, FLOW ANGULARITY, HORIZ ON
MAIN BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RJF518)	○	(CA-8) K1.2H15.1TS1
(RJF524)	□	(CA-8) K1.2H15.1TS1 (INVERTED)

ELEVTR	STAB	BETA
.000	-2.000	.000
.000	-2.000	.000

REFERENCE INFORMATION		
SREF	5500.0000	SQ.FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMRP	1339.9100	IN.XC
YMRP	.0000	IN.YC
ZMRP	190.7500	IN.ZC
SCALE	.0400	

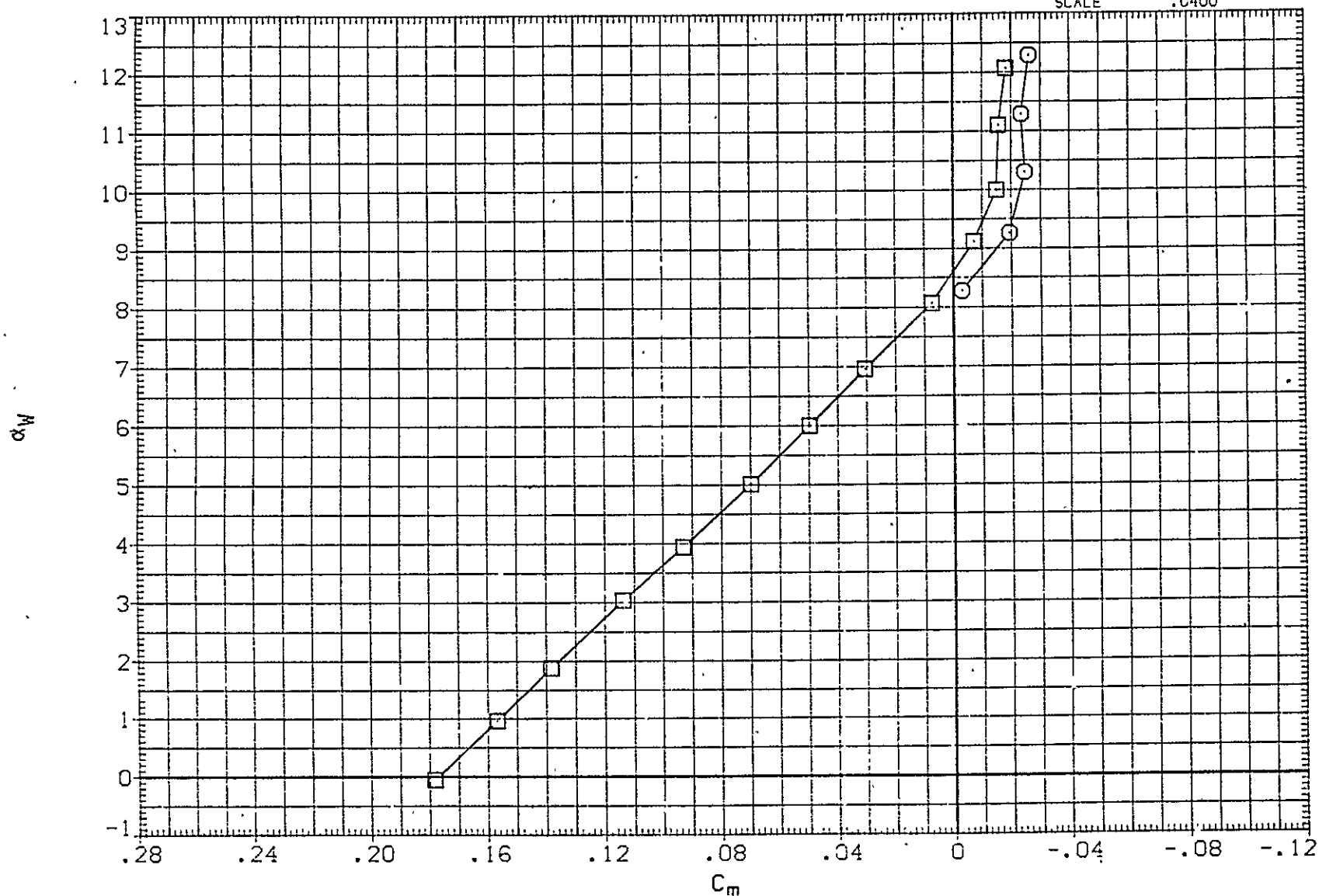


FIG 46 BASIC 747 MODEL 87 INCHES ABOVE FLOOR, FLOW ANGULARITY, HORIZ ON
MAIN BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RJF518)	○	(CA-8) K1.2H15.1TSI
(RJF524)	□	(CA-8) K1.2H15.1TSI (INVERTED)

ELEVTR	STAB	BETA
.000	-2.000	.000
.000	-2.000	.000

REFERENCE INFORMATION		
SREF	5500.0000	SQ.FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMRP	1339.9100	IN.XC
YMRP	.0000	IN.YC
ZMRP	190.7500	IN.ZC
SCALE	.0400	

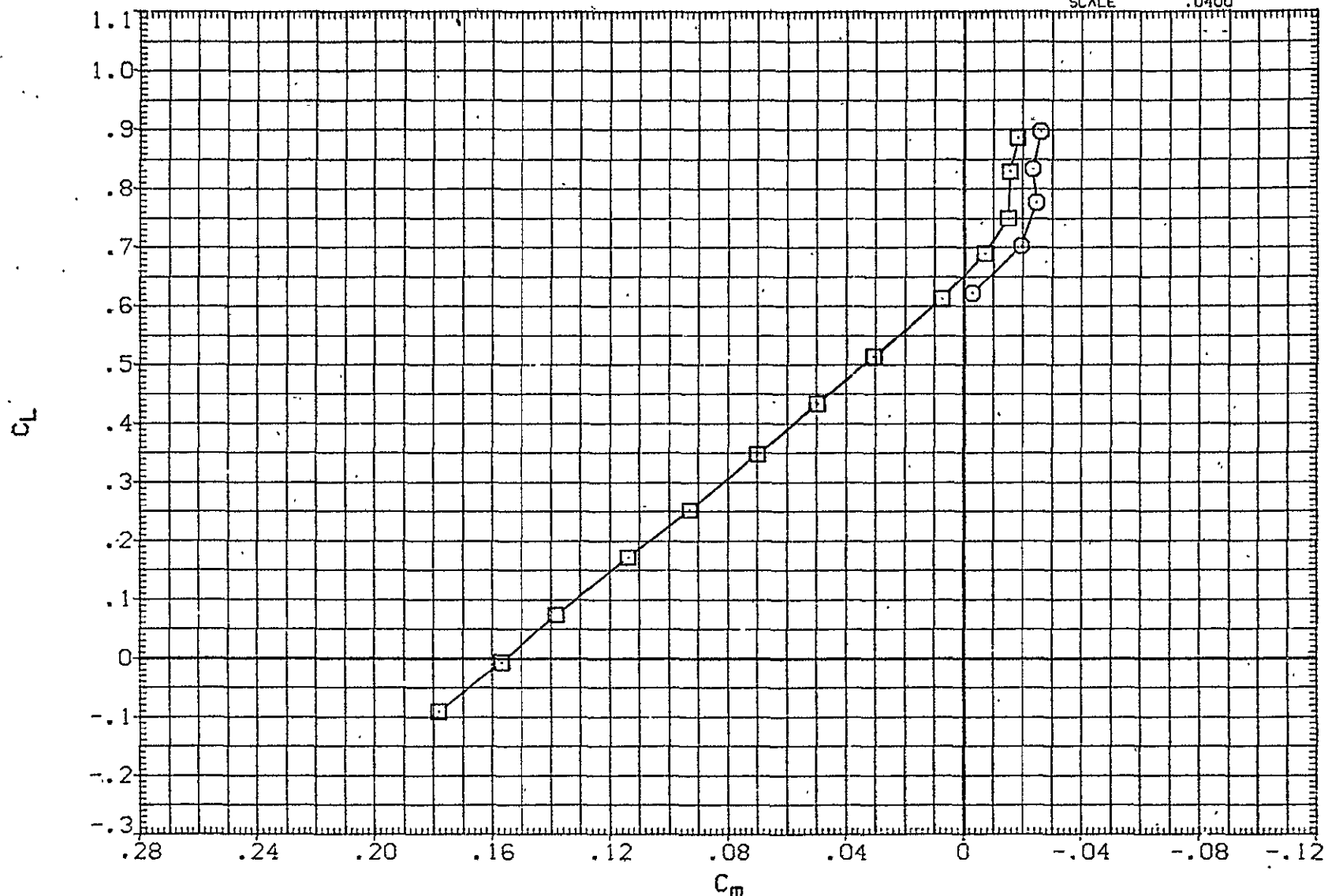


FIG 46 BASIC 747 MODEL 87 INCHES ABOVE FLOOR, FLOW ANGULARITY, HORIZ ON MAIN BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RJF518)	○	(CA-8) K1.2H15.1TS1
(RJF524)	□	(CA-8) K1.2H15.1TS1 (INVERTED)

ELEVTR	STAB	BETA
.000	-2.000	.000
.000	-2.000	.000

REFERENCE INFORMATION		
SREF	5500.0000	SQ.FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMRP	1339.9100	IN.XC
YMRP	.0000	IN.YC
ZMRP	190.7500	IN.ZC
SCALE	.0400	

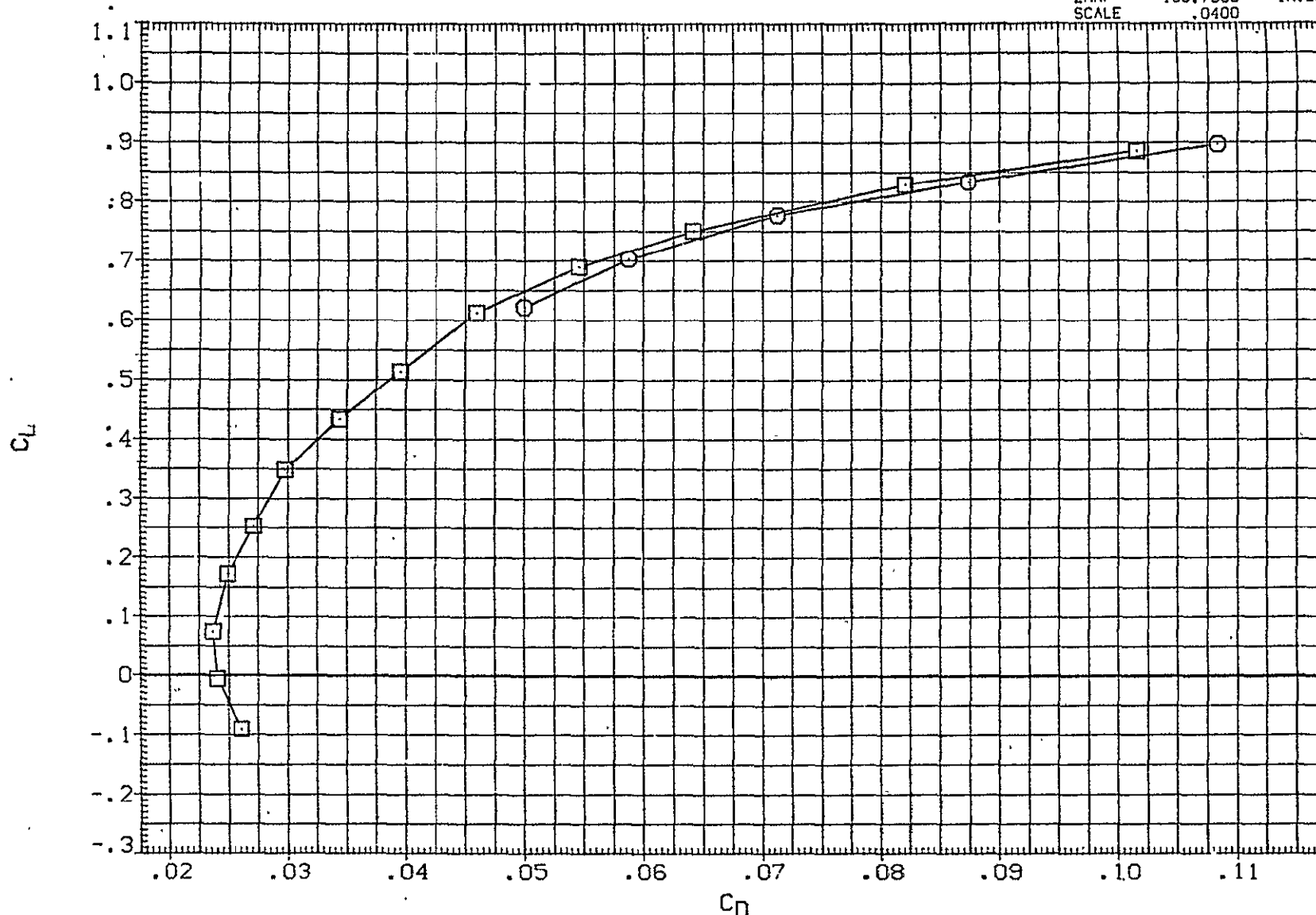


FIG 46 BASIC 747 MODEL 87 INCHES ABOVE FLOOR, FLOW ANGULARITY, HORIZ ON
MAIN BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RJF519)	○	(CA-8) K1.2H15.1TS1
(RJF523)	□	(CA-8) K1.2H15.1TS1 (INVERTED)

ELEVTR	STAB	BETA
.000	-2.000	.000
.000	-2.000	.000

REFERENCE INFORMATION		
SREF	5500.0000	SQ.FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMRP	1339.9100	IN.XC
YMRP	.0000	IN.YC
ZMRP	190.7500	IN.ZC
SCALE	.0400	

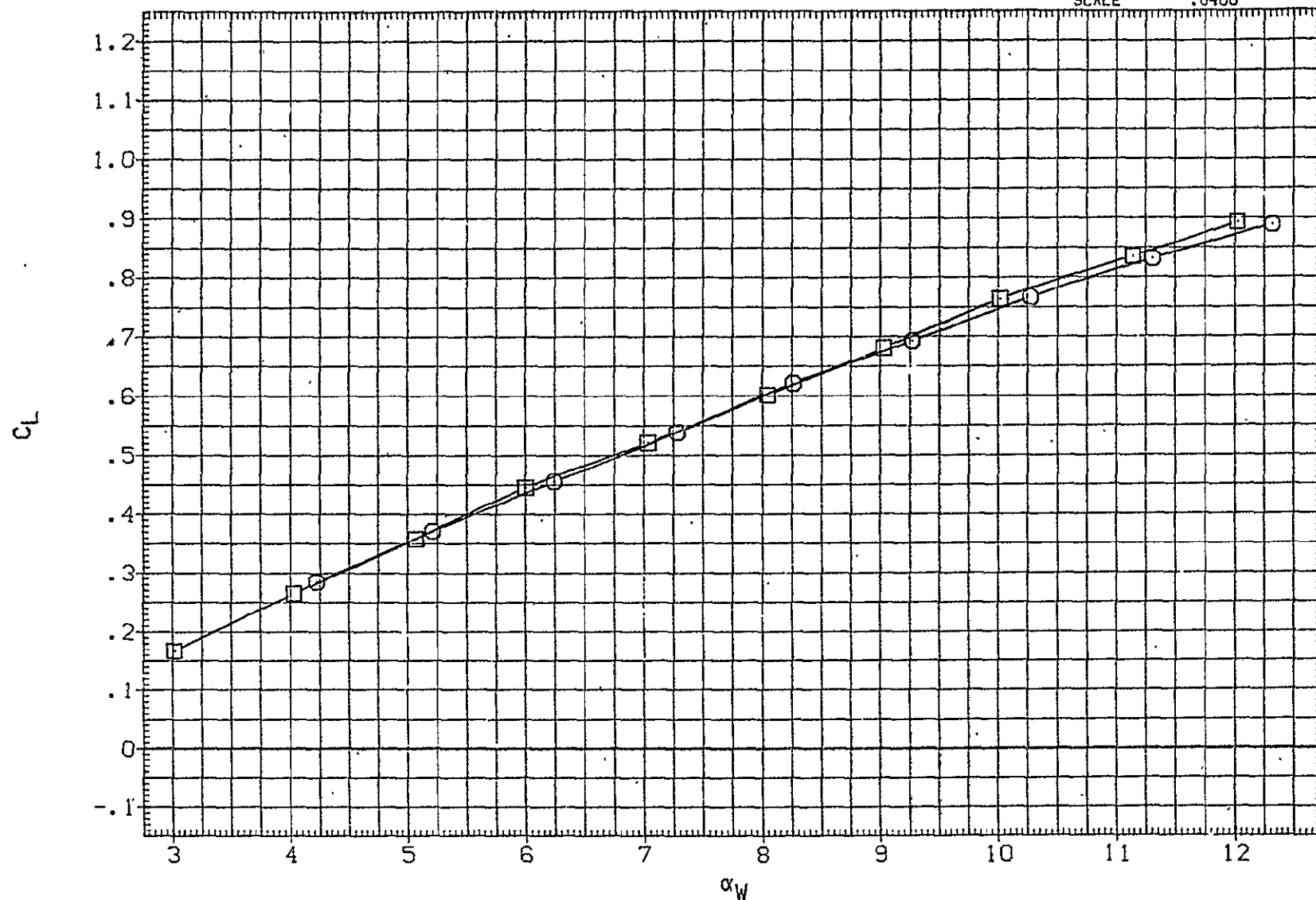


FIG 47 BASIC 747 MODEL 65 INCHES ABOVE FLOOR, FLOW ANGULARITY, HORIZ ON
MAIN BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RJF519)	○	(CA-8) K1.2H15.1TS1
(RJF523)	□	(CA-8) K1.2H15.1TS1 (INVERTED)

ELEVTR	STAB	BETA
.000	-2.000	.000
.000	-2.000	.000

REFERENCE INFORMATION		
SREF	5500.0000	50. FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMRP	1339.9100	IN. XC
YMRP	.0000	IN. YC
ZMRP	190.7500	IN. ZC
SCALE	.0400	

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

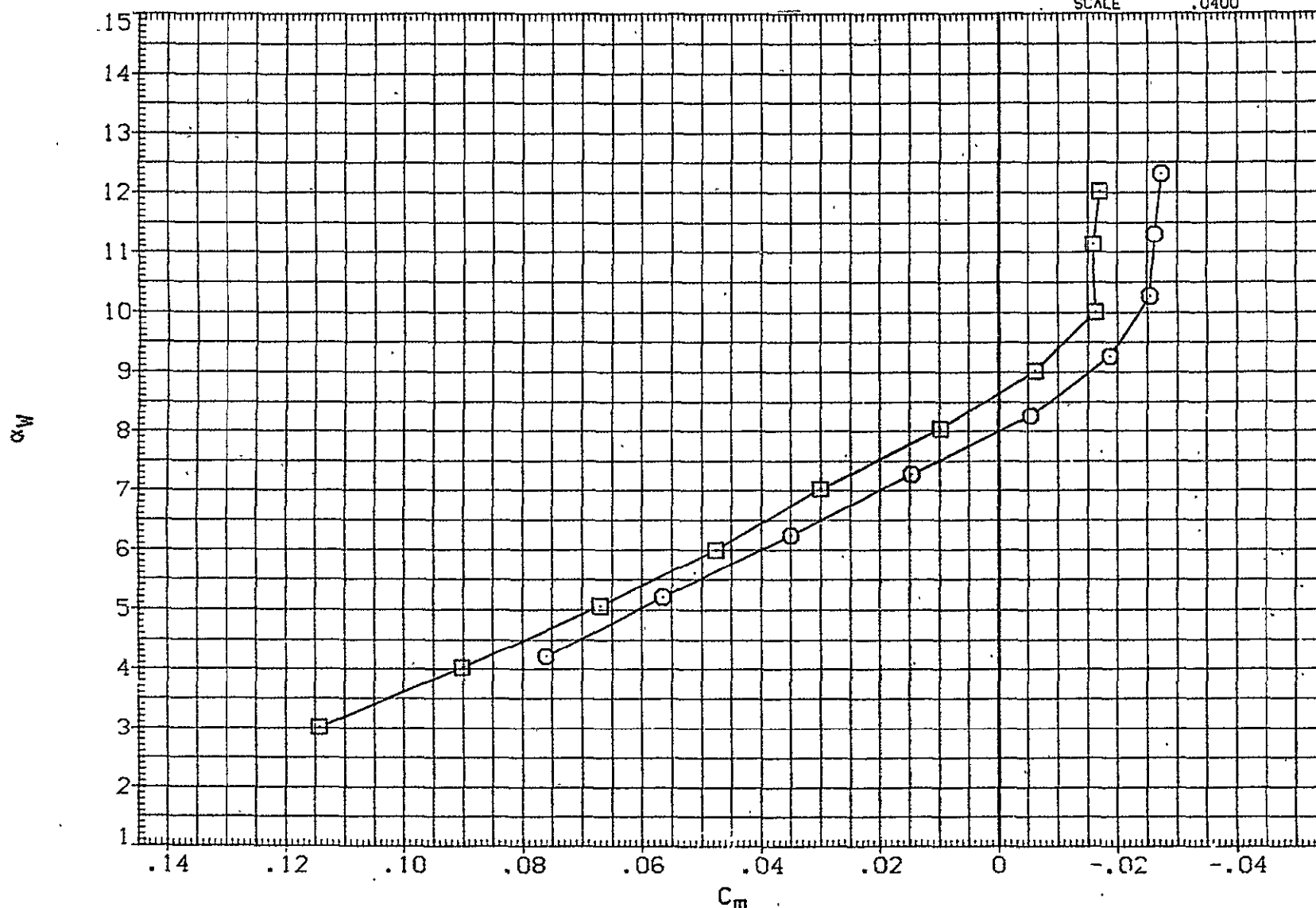


FIG 47 BASIC 747 MODEL 65 INCHES ABOVE FLOOR, FLOW ANGULARITY, HORIZ ON
MAIN BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RJF519)	○	(CA-8) K1.2H15.1TS1
(RJF523)	□	(CA-8) K1.2H15.1TS1 (INVERTED)

ELEVTR	STAB	BETA
.000	-2.000	.000
.000	-2.000	.000

REFERENCE INFORMATION		
SREF	5500.0000	SG.FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMRP	1339.9100	IN.XC
YMRP	.0000	IN.YC
ZMRP	190.7500	IN.ZC
SCALE	.0400	

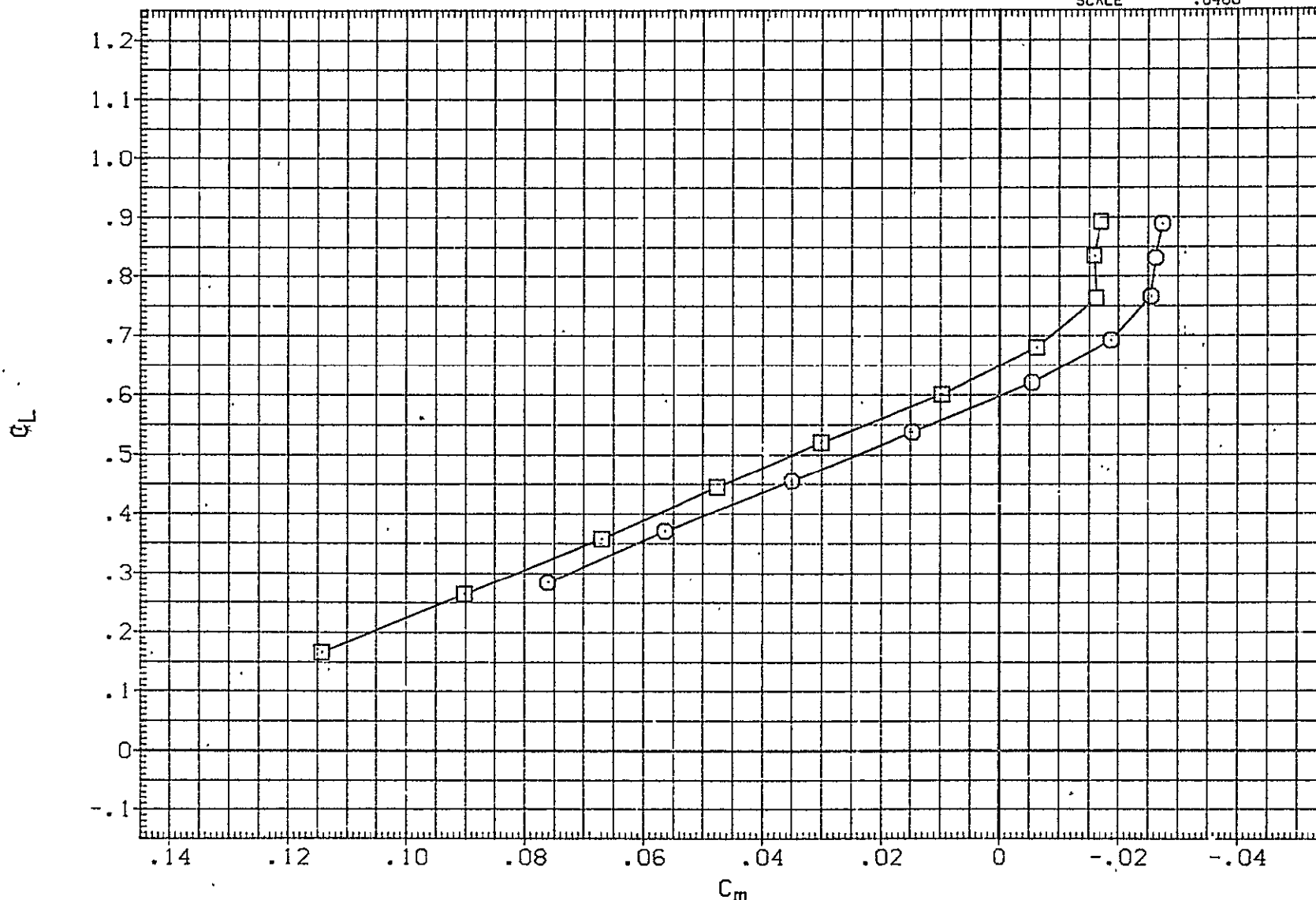


FIG 47 BASIC 747 MODEL 65 INCHES ABOVE FLOOR, FLOW ANGULARITY, HORIZ ON
MAIN BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RJF519)	○	(CA-8) K1.2H15.1TS1
(RJF523)	□	(CA-8) K1.2H15.1TS1 (INVERTED)

ELEVTR	STAB	BETA
.000	-2.000	.000
.000	-2.000	.000

REFERENCE INFORMATION		
SREF	5500.0000	SG.FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMRP	1339.9100	IN.XC
YMRP	.0000	IN.YC
ZMRP	190.7500	IN.ZC
SCALE	.0400	

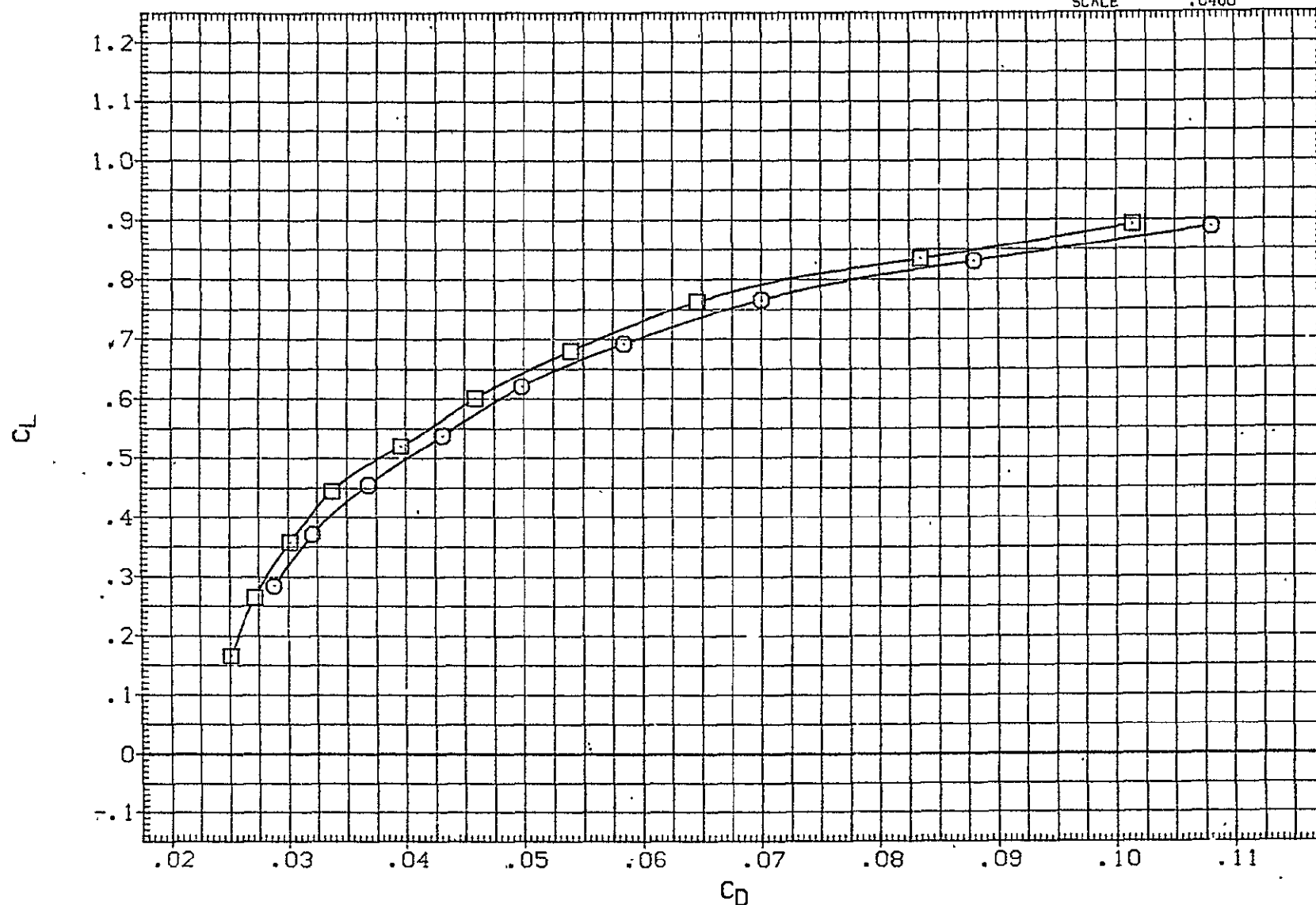


FIG 47 BASIC 747 MODEL 65 INCHES ABOVE FLOOR, FLOW ANGULARITY, HORIZ ON MAIN BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RJF001)	○	(CA-8) K1V9.1.2TS1
(RJF515)	□	(CA-8) K1.2 TS1

BETA
.000
.000

REFERENCE INFORMATION

SREF	5500.0000	SQ.FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMRP	1339.9100	IN.XC
YMRP	.0000	IN.YC
ZMRP	190.7500	IN.ZC
SCALE	.0400	

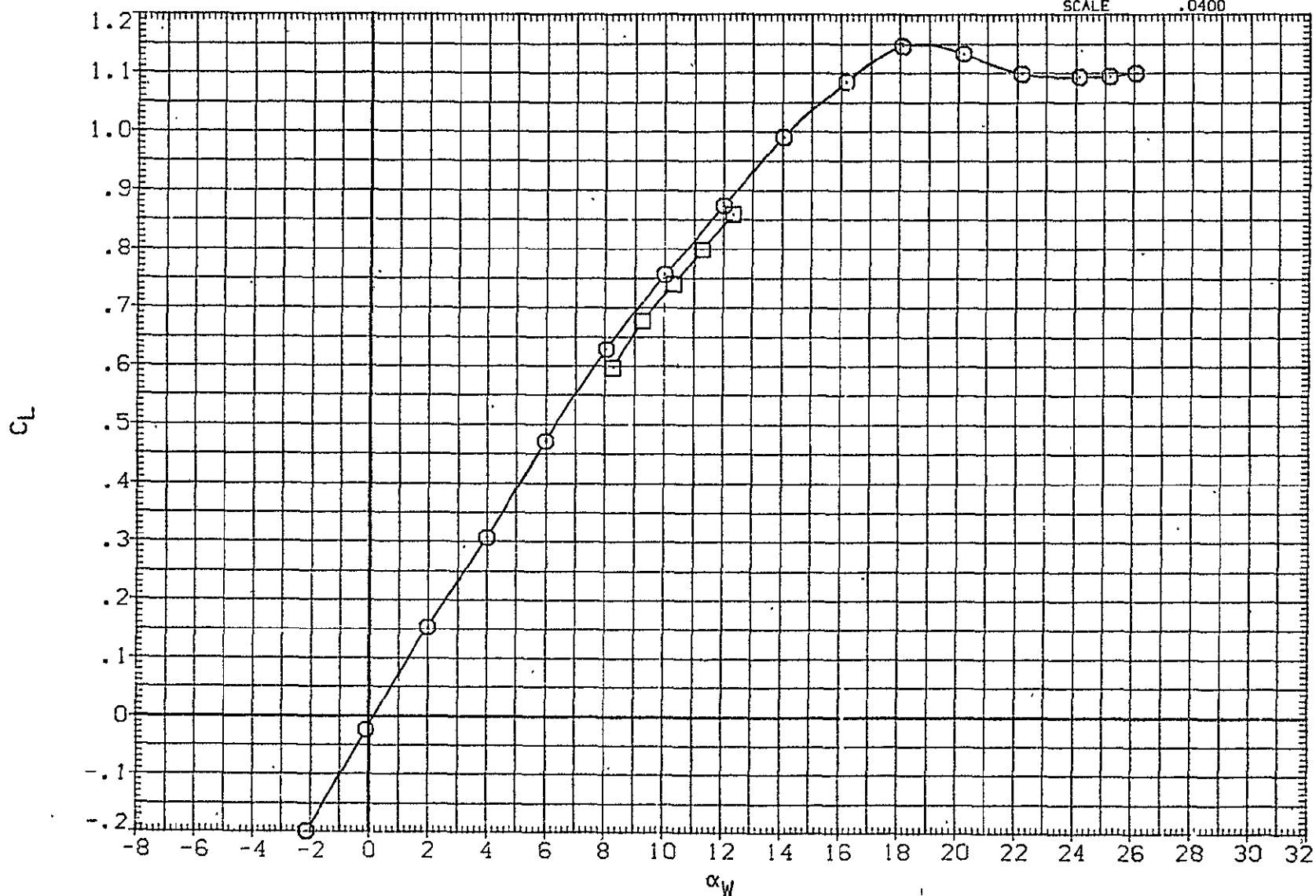


FIG 48 BASIC 747 EFFECT OF STING LOCATION - TAIL OFF
MAIN BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (RJF001) ○ (CA-8) K1V9.1.2TS1
 (RJF515) □ (CA-8) K1.2 TS1

BETA
 .000
 .000

REFERENCE INFORMATION
 SREF 5500.0000 SQ.FT.
 LREF 327.8000 IN.
 BREF 2348.0000 IN.
 XMRP 1339.9100 IN:XC
 YMRP .0000 IN:YC
 ZMRP 190.7500 IN:ZC
 SCALE .0400

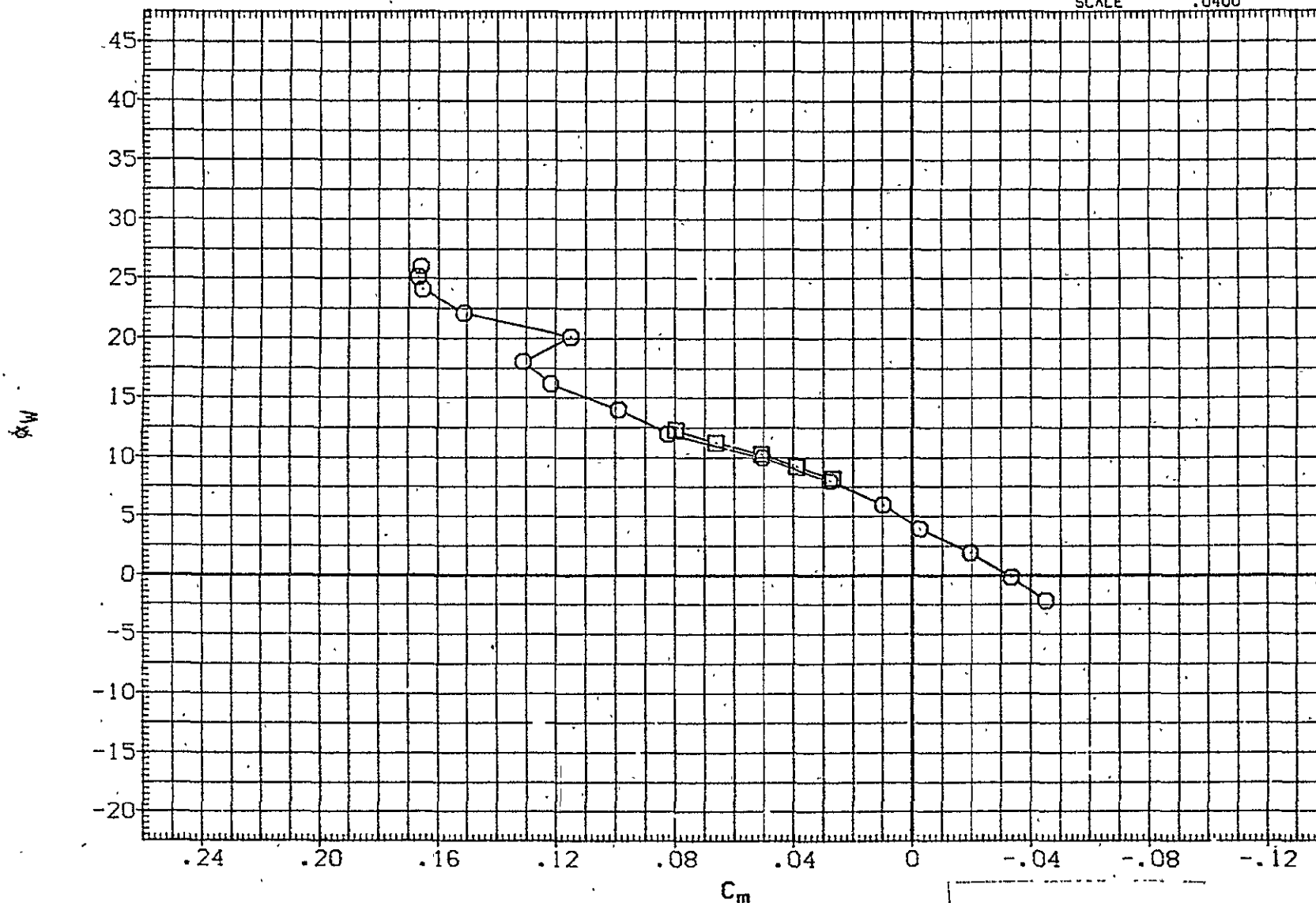


FIG 48 BASIC 747 EFFECT OF STING LOCATION - TAIL OFF
 MAIN BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RJF001)	○	(CA-8) K1V9.1.2TS1
(RJF515)	□	(CA-8) K1.2 TS1

BETA
.000
.000

REFERENCE INFORMATION

SREF	5500.0000	SQ.FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMRP	1339.9100	IN. XC
YMRP	.0000	IN. YC
ZMRP	190.7500	IN. ZC
SCALE	.0400	

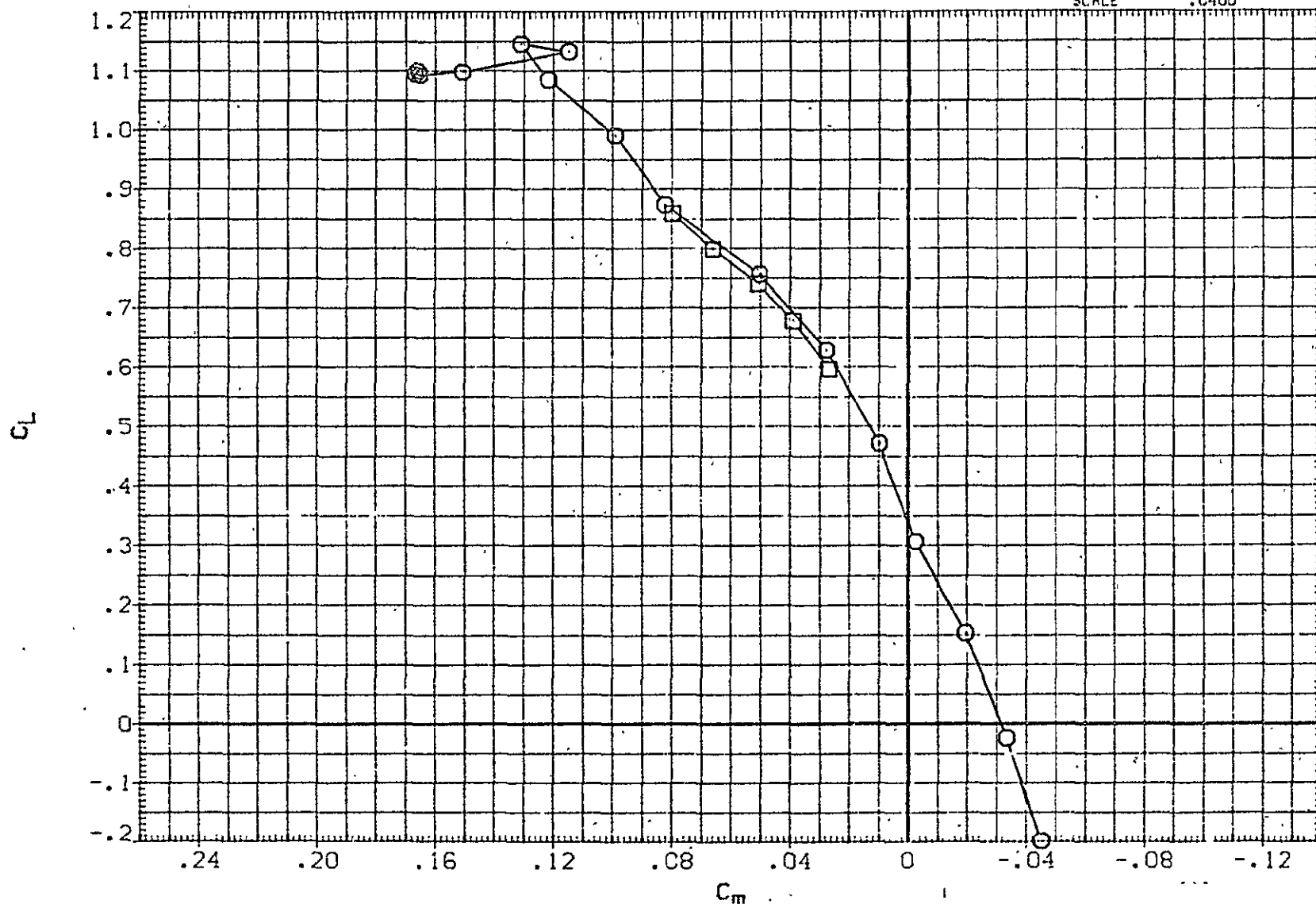


FIG 48 BASIC 747 EFFECT OF STING LOCATION - TAIL OFF
MAIN BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RJF001)	○	(CA-8) K1V9.1.2TS1
(RJF515)	□	(CA-8) K1.2 TS1

BETA
.000
.000

REFERENCE INFORMATION		
SREF	5500.0000	SQ.FT
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMRP	1339.9100	IN.XC
YMRP	.0000	IN.YC
ZMRP	190.7500	IN.ZC
SCALE	.0400	

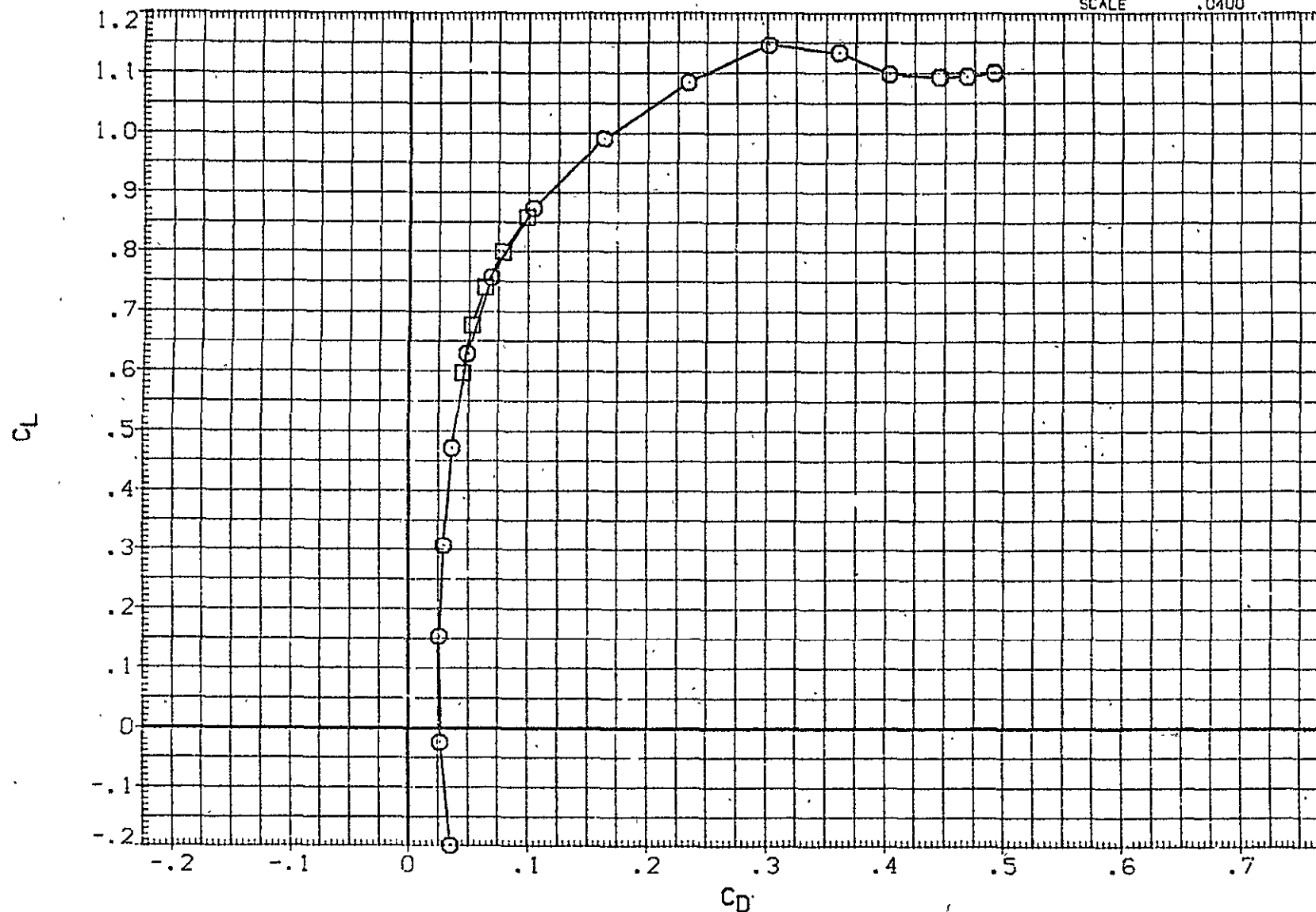




FIG 48 BASIC 747 EFFECT OF STING LOCATION - TAIL OFF
MAIN BALANCE DATA-ALPHA SWEEPS
(A) MACH = .15

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (RJF003)  (CA-8) K1V9.1.2T52H15.1F10
 (RJF518)  (CA-8) K1.2H15.1TS1

ELEVTR STAB BETA
 .000 -2.000 .000
 .000 -2.000 .000

REFERENCE INFORMATION
 SREF 5500.0000 SQ.FT.
 LREF 327.8000 IN.
 BREF 2348.0000 IN.
 XMRP 1339.9100 IN.XC
 YMRP .0000 IN.YC
 ZMRP 190.7500 IN.ZC
 SCALE .0400

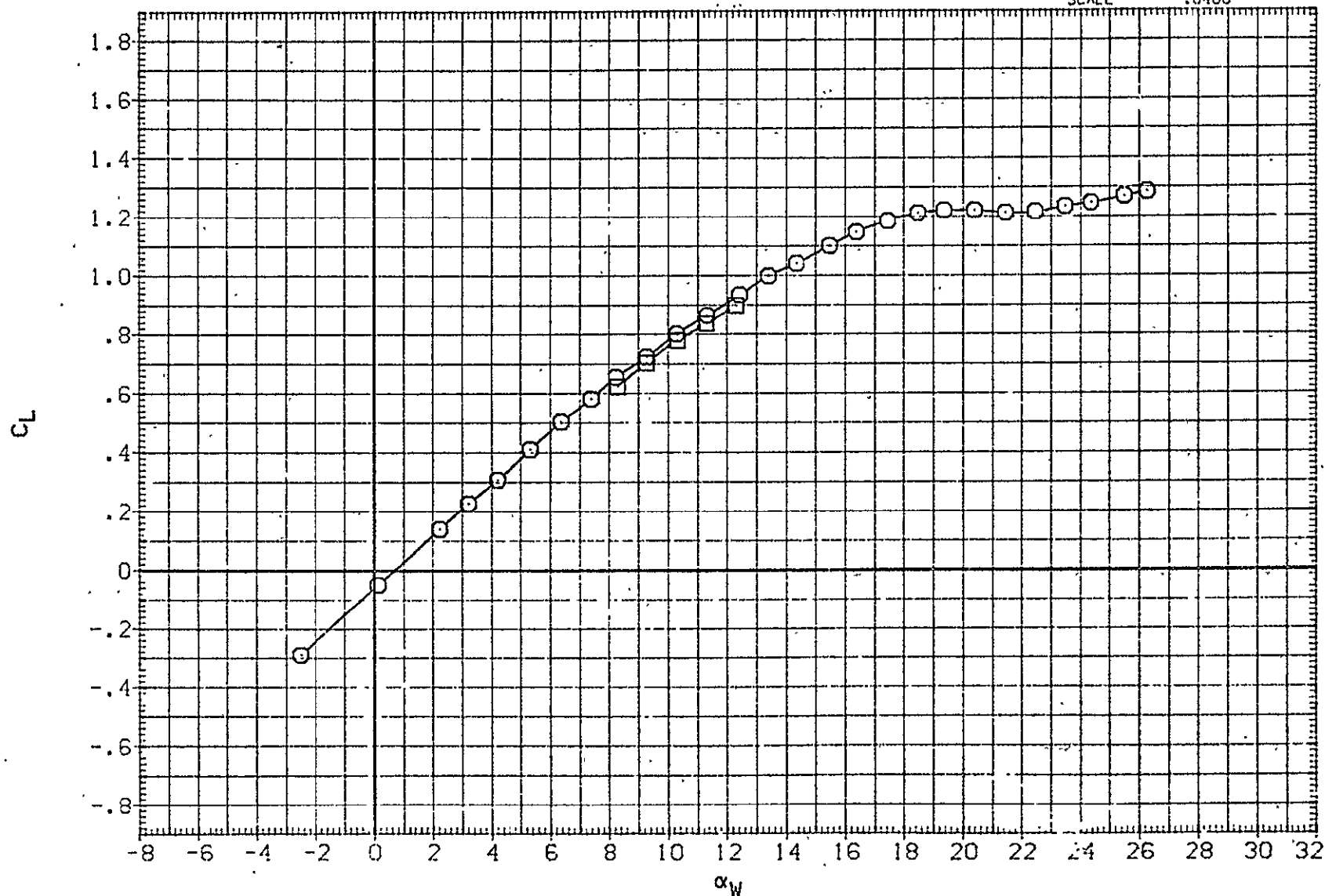


FIG 49 BASIC 747 EFFECT OF STING LOCATION - H15.1
 MAIN BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RJFD03)	○	(CA-8) K1V9.1.2TS2H15.1F10
(RJF518)	□	(CA-8) K1.2H15.1TS1

ELEVTR	STAB	BETA
.000	-2.000	.000
.000	-2.000	.000

REFERENCE INFORMATION		
SREF	5500.0000	SQ.FT
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMRP	1339.9100	IN.XC
YMRP	.0000	IN.YC
ZMRP	190.7500	IN.ZC
SCALE	.0400	

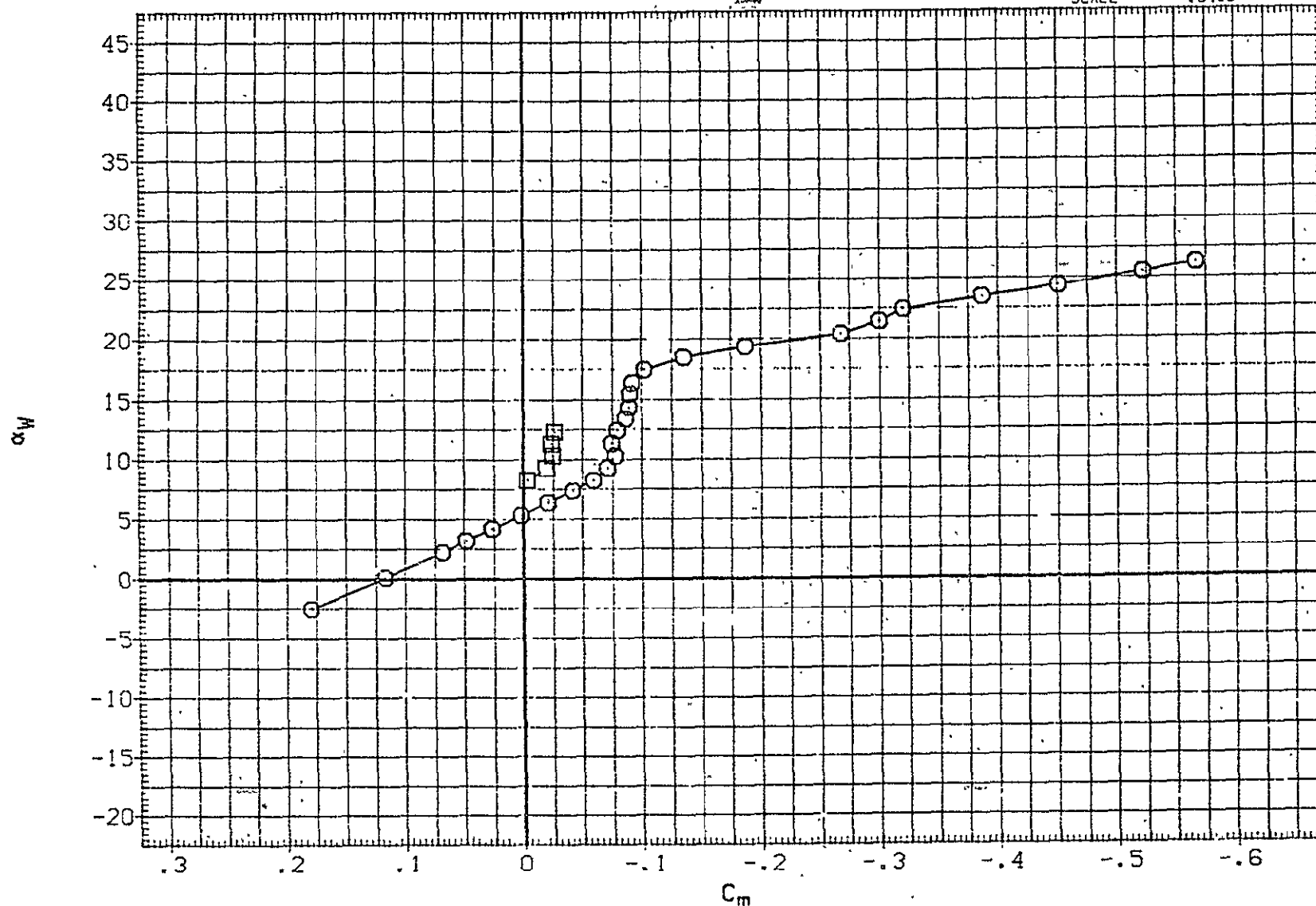


FIG 49 BASIC 747 EFFECT OF STING LOCATION - H15.1
MAIN BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RJF003)	○	(CA-8) K1V9.1.2TS2H15.1F10
(RJF518)	□	(CA-8) K1.2H15.1TS1

ELEVTR	STAB	BETA
.000	-2.000	.000
.000	-2.000	.000

REFERENCE INFORMATION		
SREF	5500.0000	SQ.FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMRP	1339.9100	IN.XC
YMRP	.0000	IN.YC
ZMRP	190.7500	IN.ZC
SCALE	.0400	

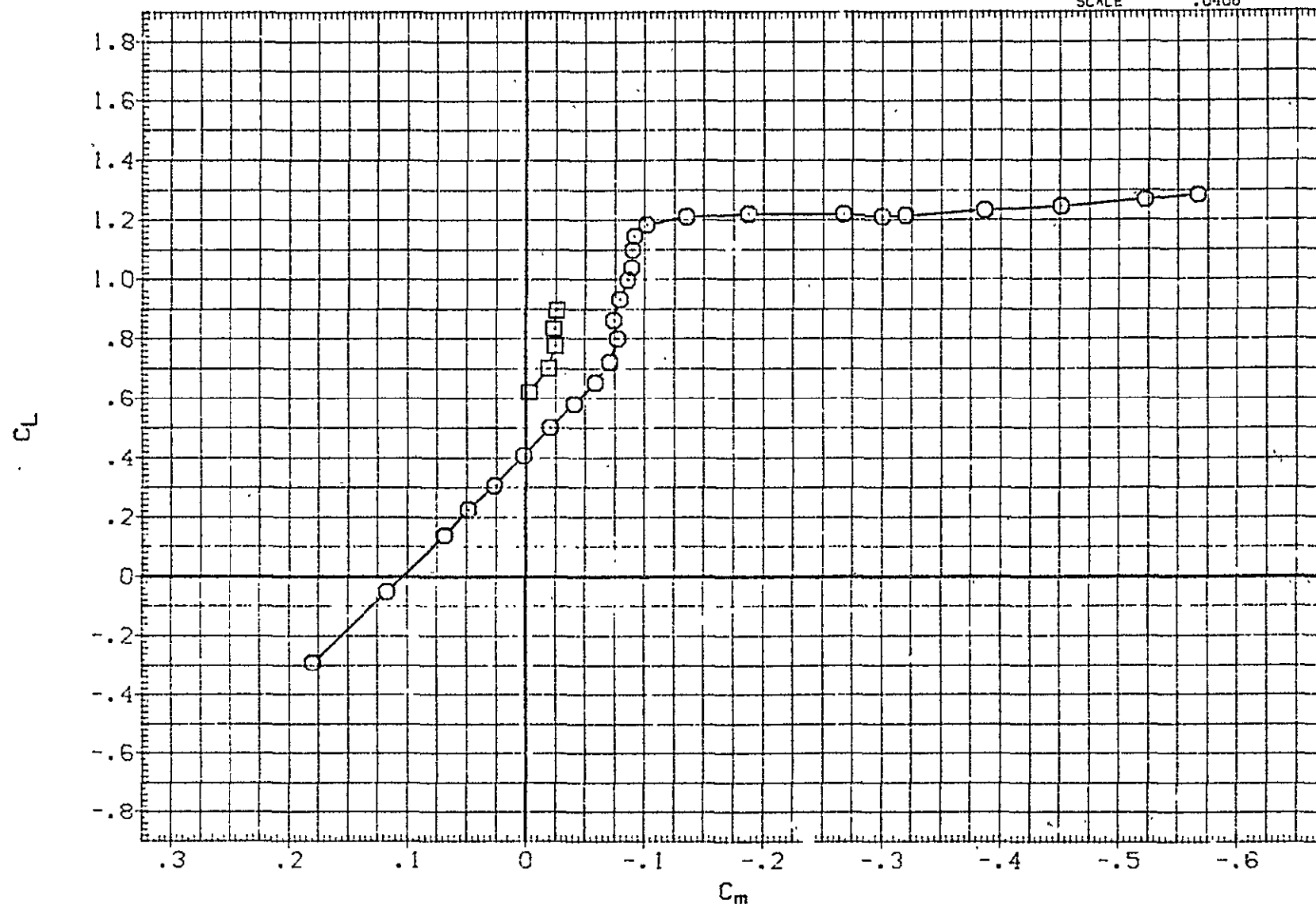


FIG 49 BASIC 747 EFFECT OF STING LOCATION - H15.1
MAIN BALANCE DATA-ALPHA SWEEPS

(A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RJF003)	□	(CA-8) K1V9.1.2TS2H15.1F10
(RJF518)	□	(CA-8) K1.2H15.1TS1

ELEVTR	STAB	BETA
.000	-2.000	.000
.000	-2.000	.000

REFERENCE INFORMATION		
SREF	5500.0000	SQ.FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMPP	1339.9100	IN.XC
YMPP	.0000	IN.YC
ZMRP	190.7500	IN.ZC
SCALE	.0400	

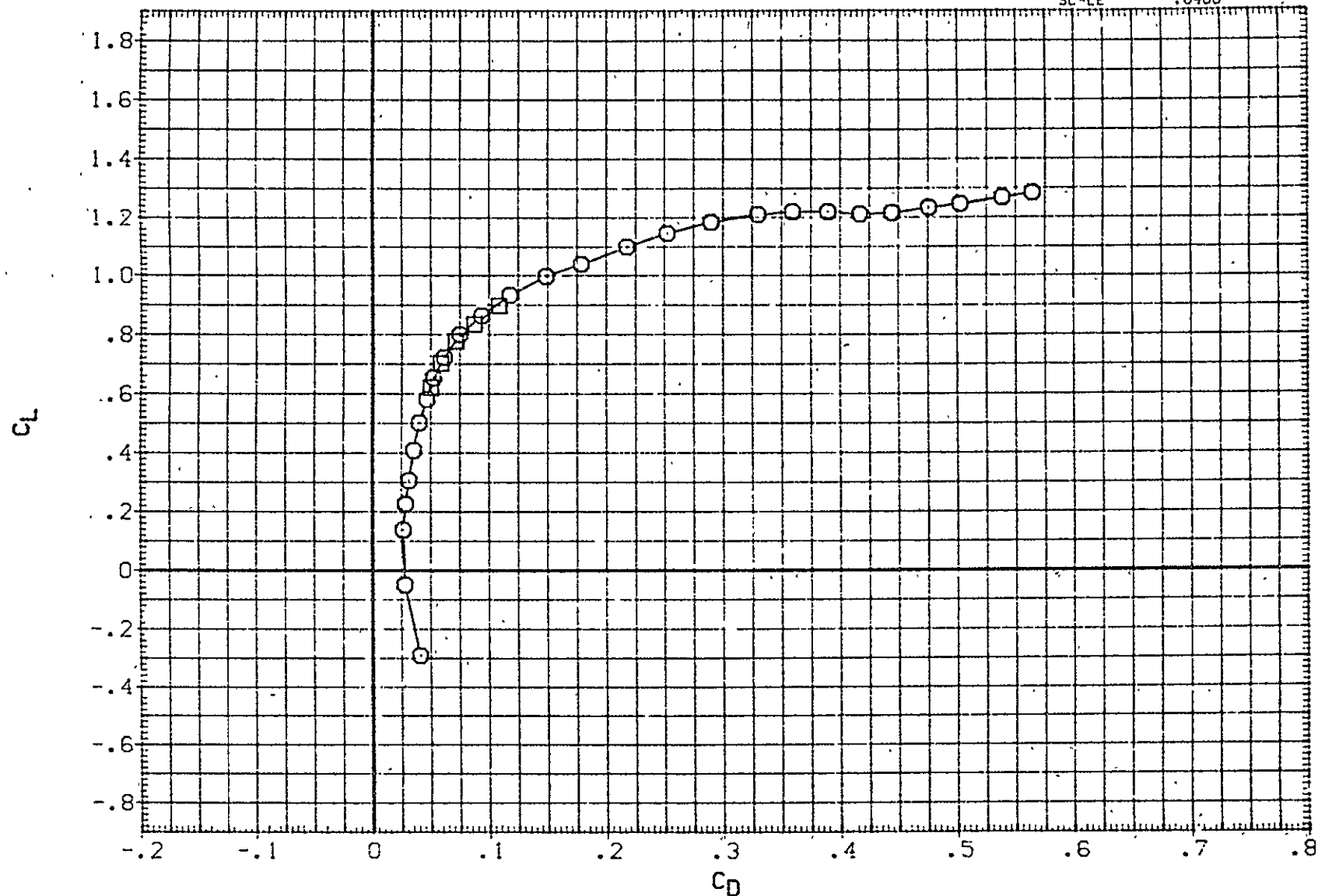


FIG 49 BASIC 747 EFFECT OF STING LOCATION - H15.1
MAIN BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RJF003)	○	(CA-8) K1V9.1.2TS2H15.1F10
(RJF124)	□	(CA-8) K2V9.1.2TS6H15.6.1FOTS401

ELEVTR	STAB	IORB	ELEVON
.000	-2.000		
.000	-2.000	3.000	.000

REFERENCE INFORMATION		
SREF	5500.0000	50. FT...
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMRP	1339.9100	IN. XC
YMRP	.0000	IN. YC
ZMRP	190.7500	IN. ZC
SCALE	.0400	

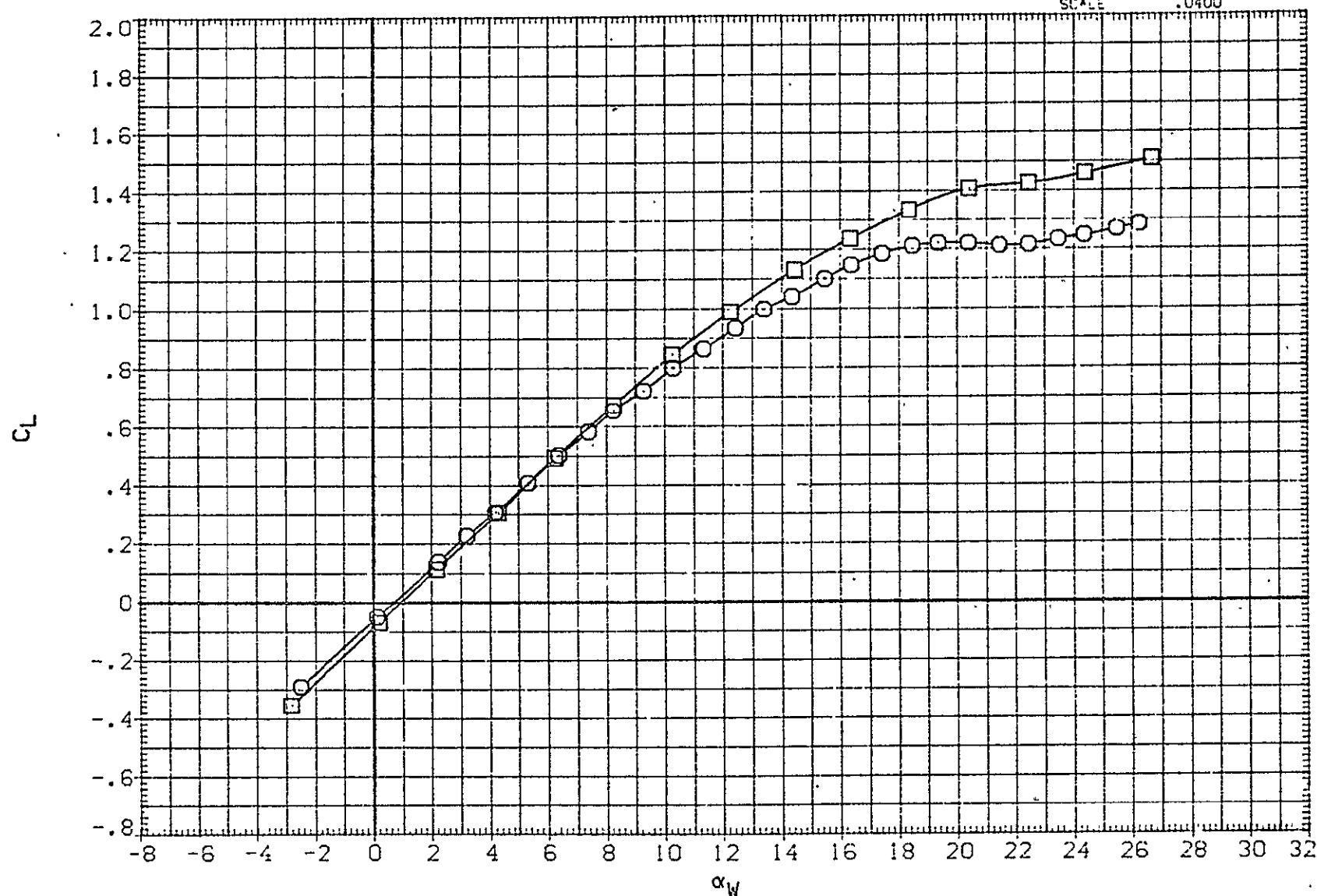


FIG 50 COMPARISON BETWEEN 747 ALONE AND FERRY CONFIGURATION, FLAPS UP
MAIN BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RJF003)	○	(CA-8) K1V9.1.2TS2H15.1F10
(RJF124)	□	(CA-8) K2V9.1.2TS6H15.6.1FOTS401

ELEVTR	STAB	IORB	ELEVON
.000	-2.000		
.000	-2.000	3.000	.000

REFERENCE INFORMATION		
SREF	5500.0000	SQ.FT.
LREF	327.8000	IN.
BREF	2318.0000	IN.
XMRP	1339.9100	IN.XC
YMRP	.0000	IN.YC
ZMRP	190.7500	IN.ZC
SCALE	.0400	

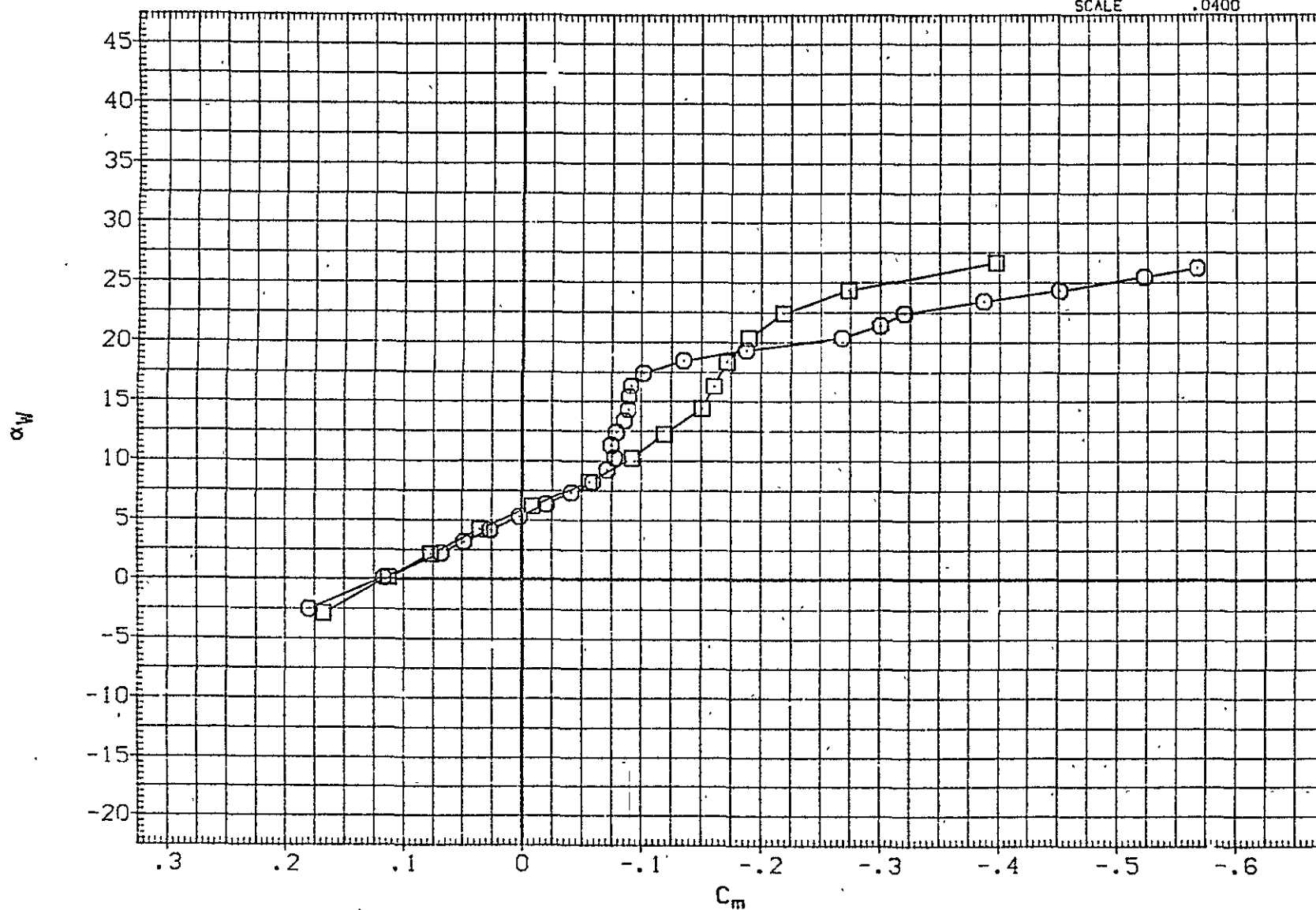


FIG 50 COMPARISON BETWEEN 747 ALONE AND FERRY CONFIGURATION, FLAPS UP
MAIN BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

ATA SET	SYMBOL	CONFIGURATION DESCRIPTION
RJF003)	○	(CA-8) K1V9.1.2TS2H15.1F10
RJF124)	□	(CA-8) K2V9.1.2TS6H15.6.1FOTS401

ELEVTR	STAB	IORB	ELEVON
.000	-2.000		
.000	-2.000	3.000	.000

REFERENCE INFORMATION		
SREF	5500.0000	SQ.FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMRP	1339.9100	IN.XC
YMRP	.0000	IN.YC
ZMRP	190.7500	IN.ZC
SCALE	.0400	

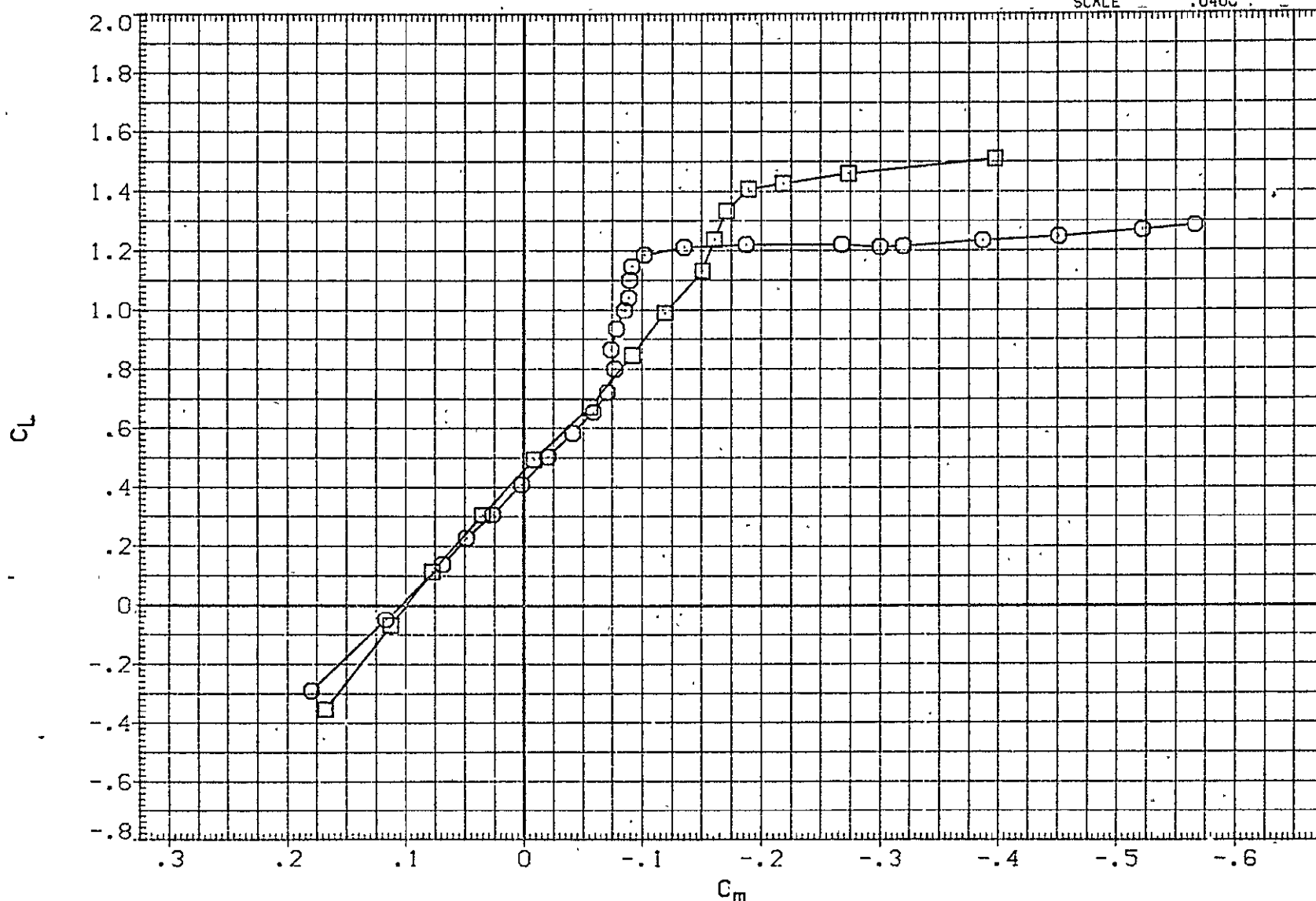


FIG 50 COMPARISON BETWEEN 747 ALONE AND FERRY CONFIGURATION, FLAPS UP
MAIN BALANCE DATA-ALPHA SWEEPS

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
{RJF003}	○	{CA-8} K1V9.1.2TS2H15.1F10
{RJF124}	□	{CA-8} K2V9.1.2TS6H15.6.1F0TS401

ELEVTR	STAB	IORB	ELEVON
.000	-2.000		
.000	-2.000	3.000	.000

REFERENCE INFORMATION		
SREF	5500.0000	SQ.FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMRP	1339.9100	IN.XC
YMRP	.0000	IN.YC
ZMRP	190.7500	IN.ZC
SCALE	.C400	

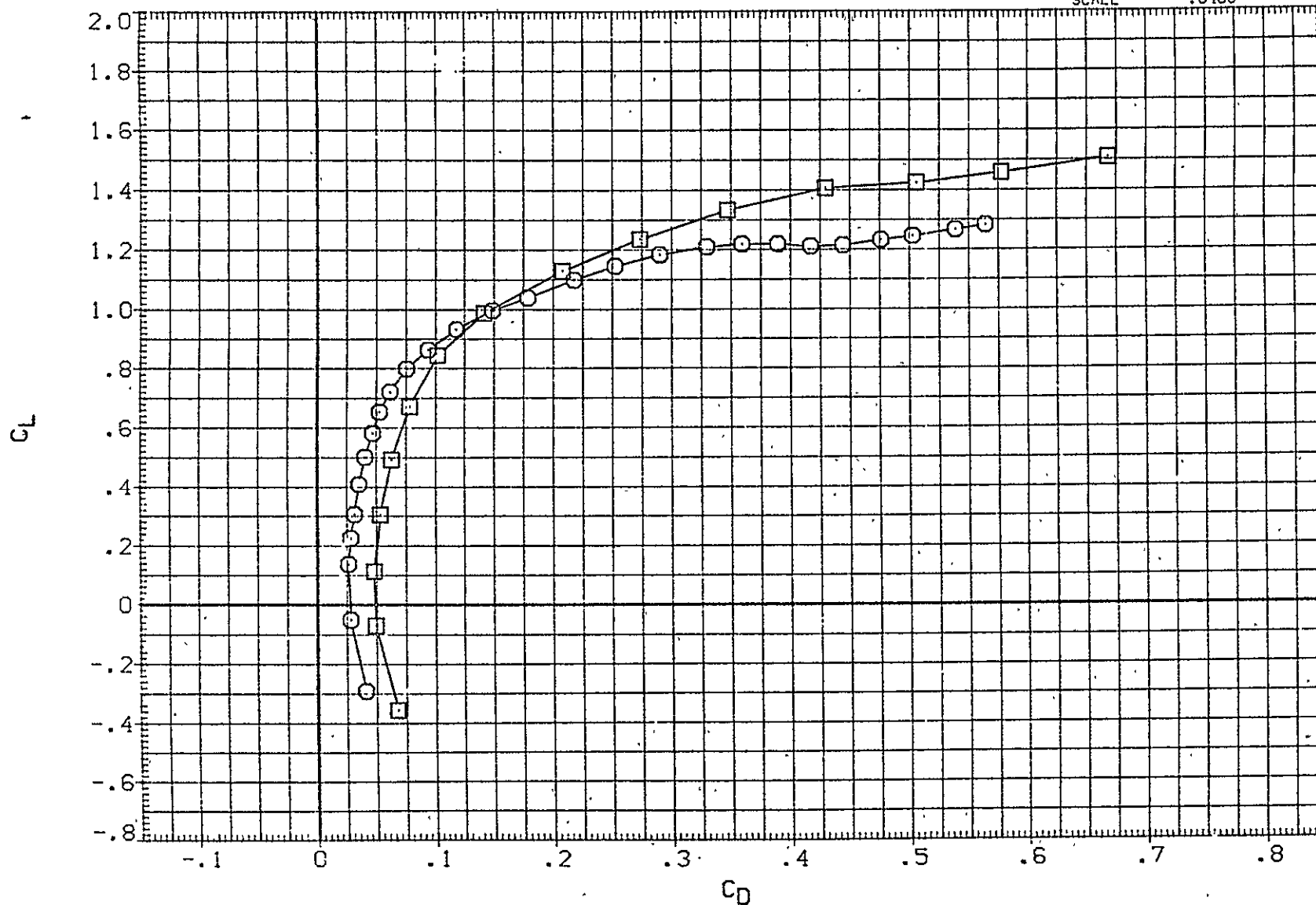


FIG 50 COMPARISON BETWEEN 747 ALONE AND FERRY CONFIGURATION, FLAPS UP
MAIN BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
74704	○	(CA-8) K1V9.1.2TS2H15.1F10
747119	□	(CA-8) K2V9.1.2TS5H15.6.1F10TS401

ELEVTR	STAB	IORB	ELEVON
.000	-2.000		
.000	-2.000	3.000	.000

REFERENCE INFORMATION		
SREF	5500.0000	SQ.FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMRP	1339.9100	IN.XC
YMRP	.0000	IN.YC
ZMRP	190.7500	IN.ZC
SCALE	.0400	

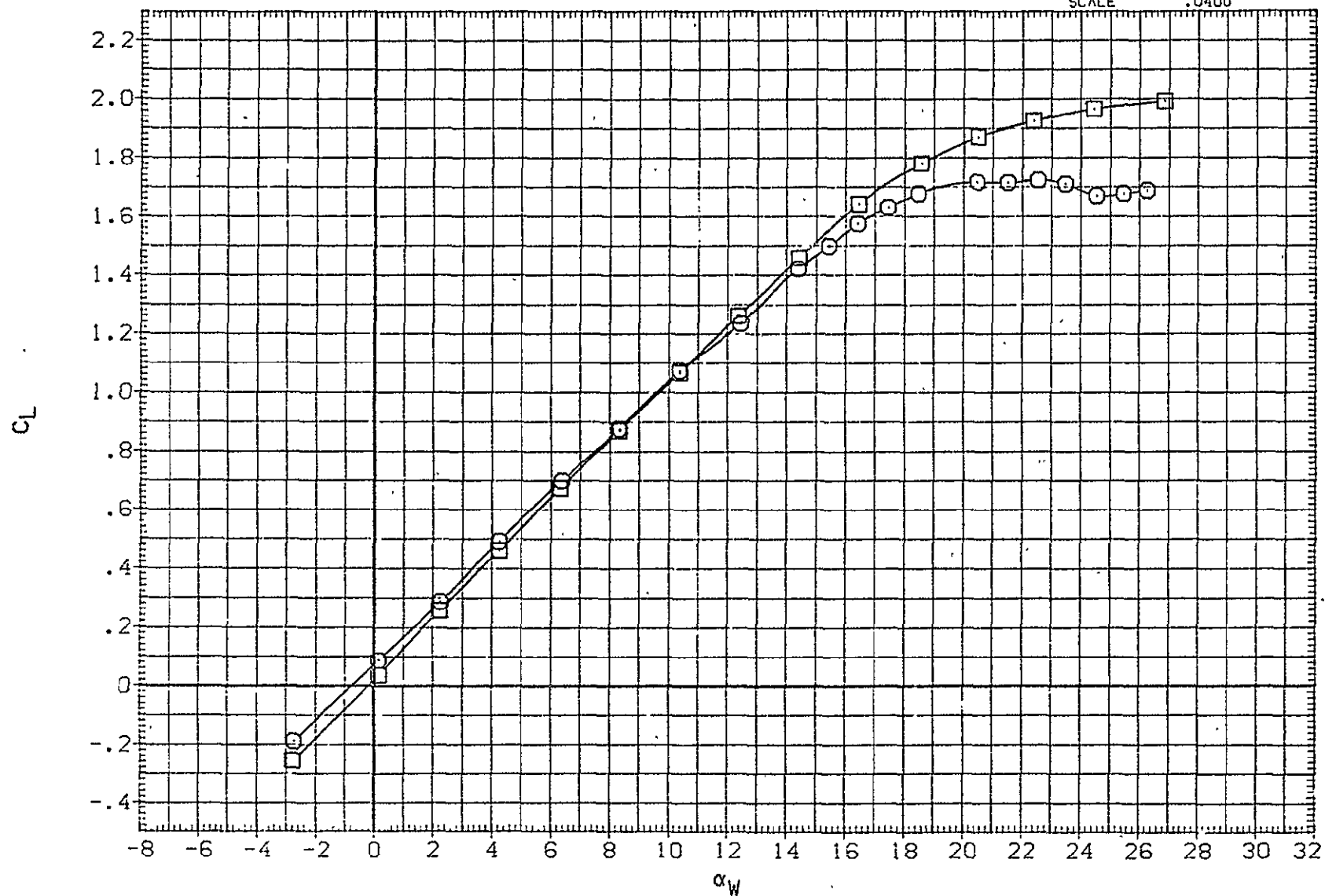


FIG 51 COMPARISON BETWEEN 747 ALONE AND FERRY CONFIGURATION, FLAPS 10
MAIN BALANCE DATA-ALPHA SWEEPS

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RJF004)	○	(CA-8) K1V9.1.2TS2H15.1F10
(RJF119)	□	(CA-8) K2V9.1.2TS5H15.6.1F10TS401

ELEVTR	STAB	IORB	ELEVON
.000	-2.000		
.000	-2.000	3.000	.000

REFERENCE INFORMATION		
SREF	5500.0000	SO.FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMPP	1339.9100	IN.XC
YMRP	.0000	IN.YC
ZMRP	190.7500	IN.ZC
SCALE	.0400	

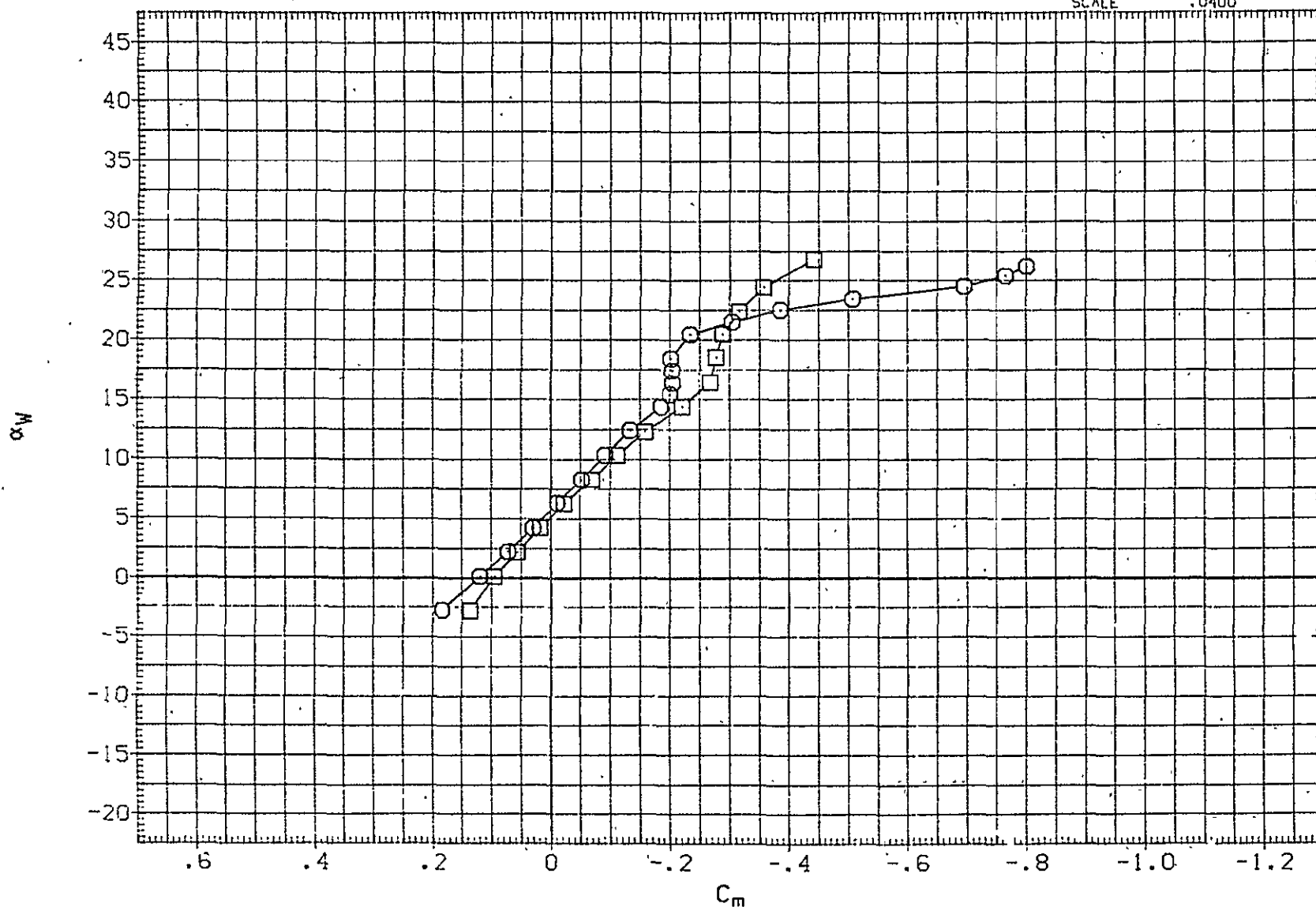


FIG 51 COMPARISON BETWEEN 747 ALONE AND FERRY CONFIGURATION, FLAPS 10
MAIN BALANCE DATA-ALPHA SWEEPS

(A) MACH = .15

ATA SET	SYMBOL	CONFIGURATION DESCRIPTION
RJF004)	○	(CA-8) K1V9.1.2TS2H15.1F10
RJF119)	□	(CA-8) K2V9.1.2TS5H15.6.1F10TS401

ELEVTR	STAB	IORB	ELEVON
.000	-2.000		
.000	-2.000	3.000	.000

REFERENCE INFORMATION		
SREF	5500.0000	SQ.FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMRP	1339.9100	IN.XC
YMRP	.0000	IN.YC
ZMRP	190.7500	IN.ZC
SCALE	.0400	

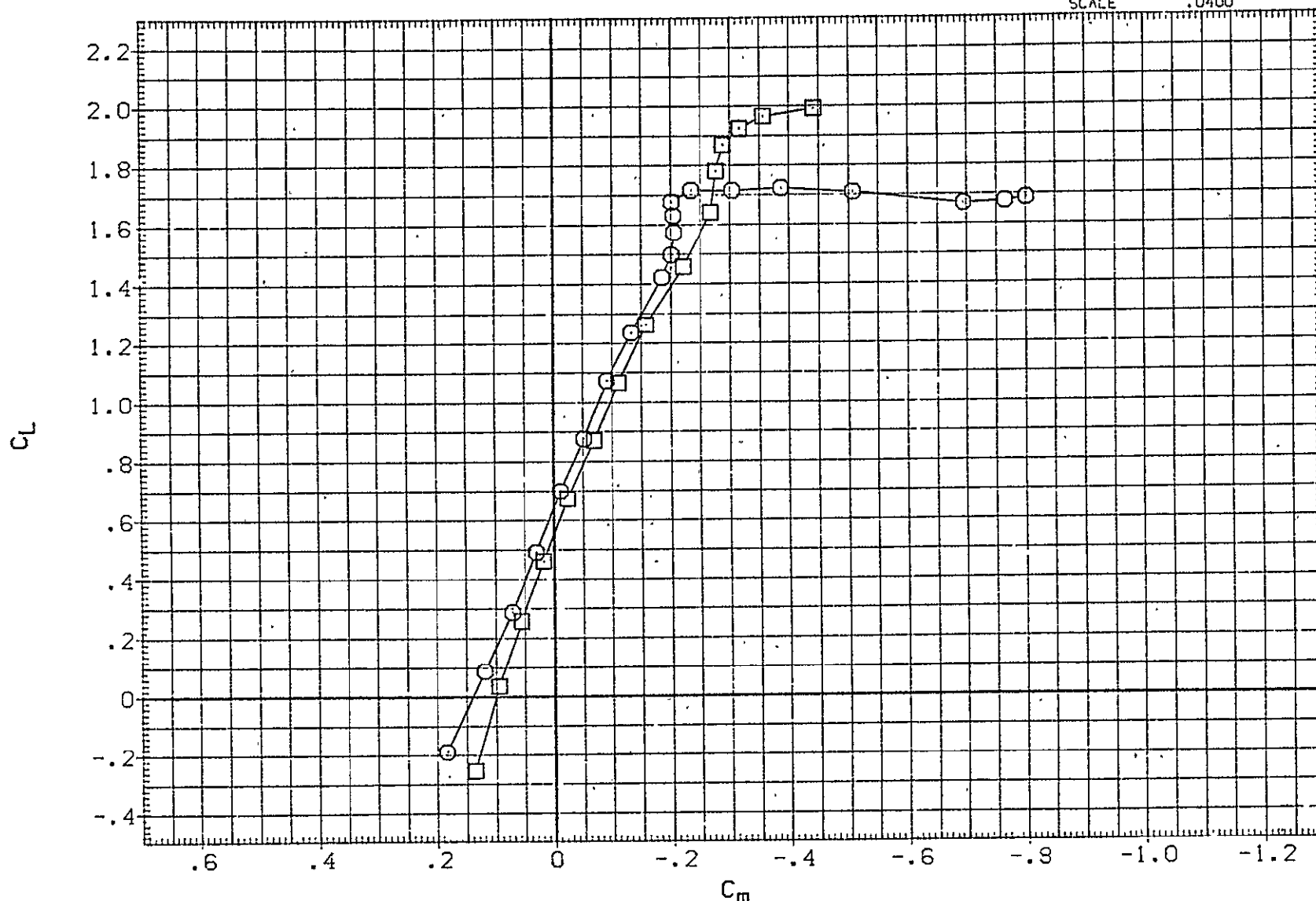


FIG 51 COMPARISON BETWEEN 747 ALONE AND FERRY CONFIGURATION, FLAPS 10
MAIN BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RJF004)	○	(CA-8) K1V9.1.2TS2H15.1F10
(RJF119)	□	(CA-8) K2V9.1.2TS5H15.6.1F10TS401

ELEVTR	STAB	ICRB	ELEVON
.000	-2.000		
.000	-2.000	3.000	.000

REFERENCE INFORMATION		
SREF	5500.0000	50.FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMRP	1339.9100	IN.XC
YMRP	.0000	IN.YC
ZMRP	190.7500	IN.ZC
SCALE	.0400	

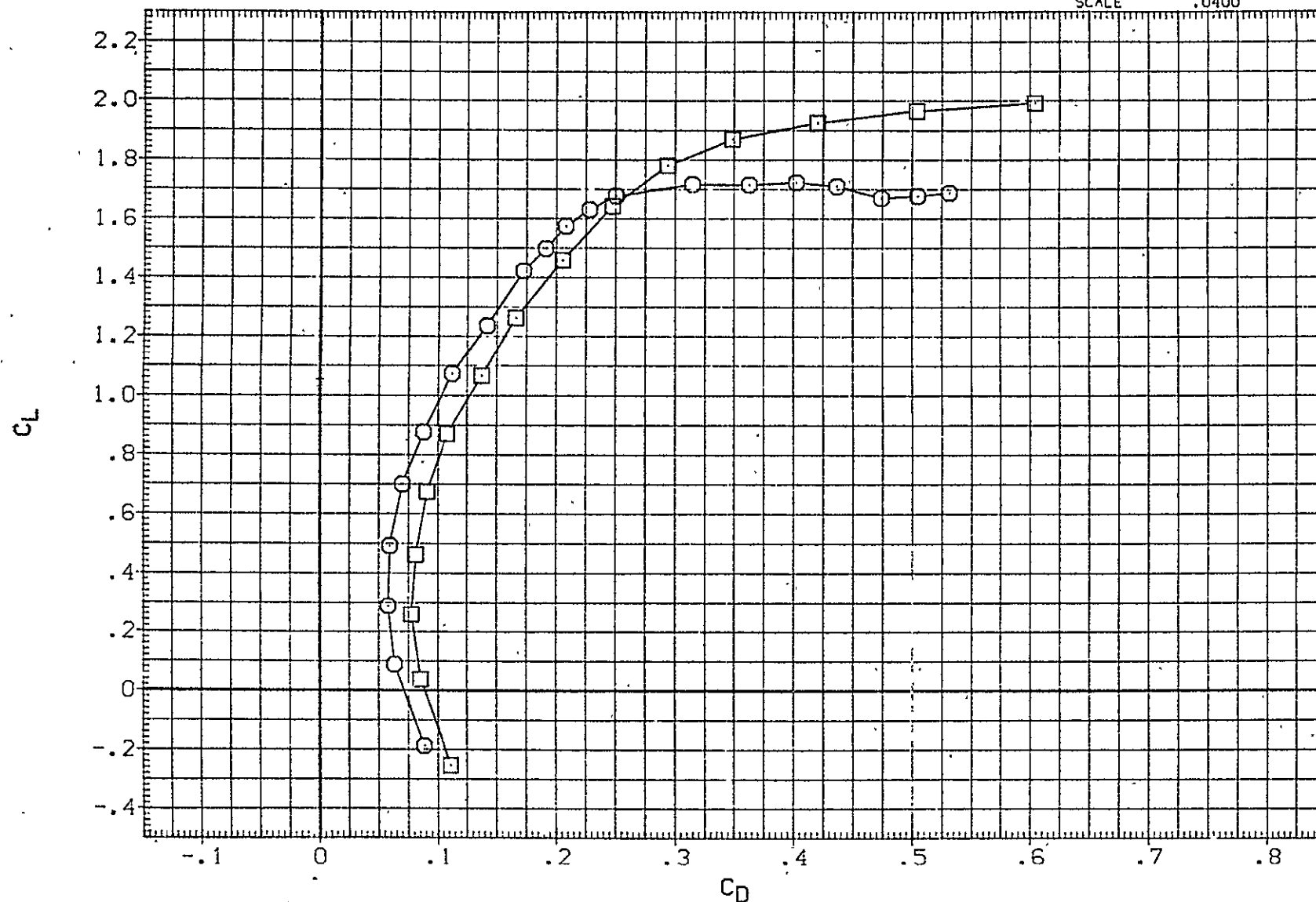


FIG 51 COMPARISON BETWEEN 747 ALONE AND FERRY CONFIGURATION, FLAPS 10
MAIN BALANCE DATA-ALPHA SWEEPS

(A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RJF017)	○	(CA-8) K1V9.1.2TS2H15.1F20
(RJF094)	□	(CA-8) K2V9.1.2TS5H15.6.1F20TS401

ELEVTR	STAB	IORB	ELEVON
.000	-2.000		
.000	-2.000	3.000	.000

REFERENCE INFORMATION		
SREF	5500.0000	SQ. FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMRP	1339.9100	IN. XC
YMRP	.0000	IN. YC
ZMRP	190.7500	IN. ZC
SCALE	.0400	

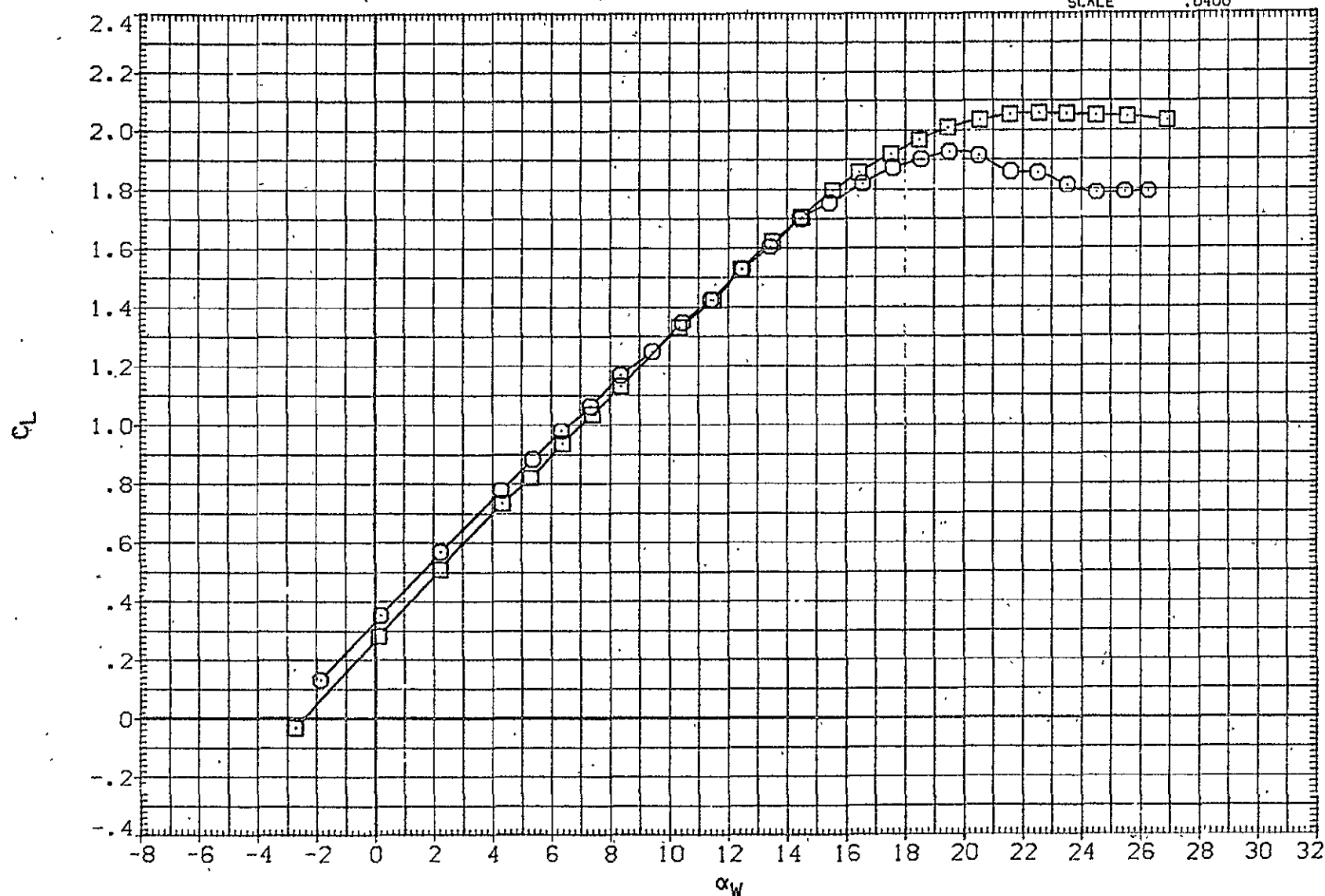


FIG 52 COMPARISON BETWEEN 747 ALONE AND FERRY CONFIGURATION, FLAPS 20
MAIN BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RJF017)	○	(CA-8) K1V9.1.2TS2H15.1F20
(RJF094)	□	(CA-8) K2V9.1.2TS5H15.6.1F20TS401

ELEVTR	STAB	ICRB	ELEVON
.000	-2.000		
.000	-2.000	3.000	.000

REFERENCE INFORMATION		
SREF	5500.0000	50.FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMRP	1339.9100	IN.XC
YMRP	.0000	IN.YC
ZMRP	190.7500	IN.ZC
SCALE	.0400	

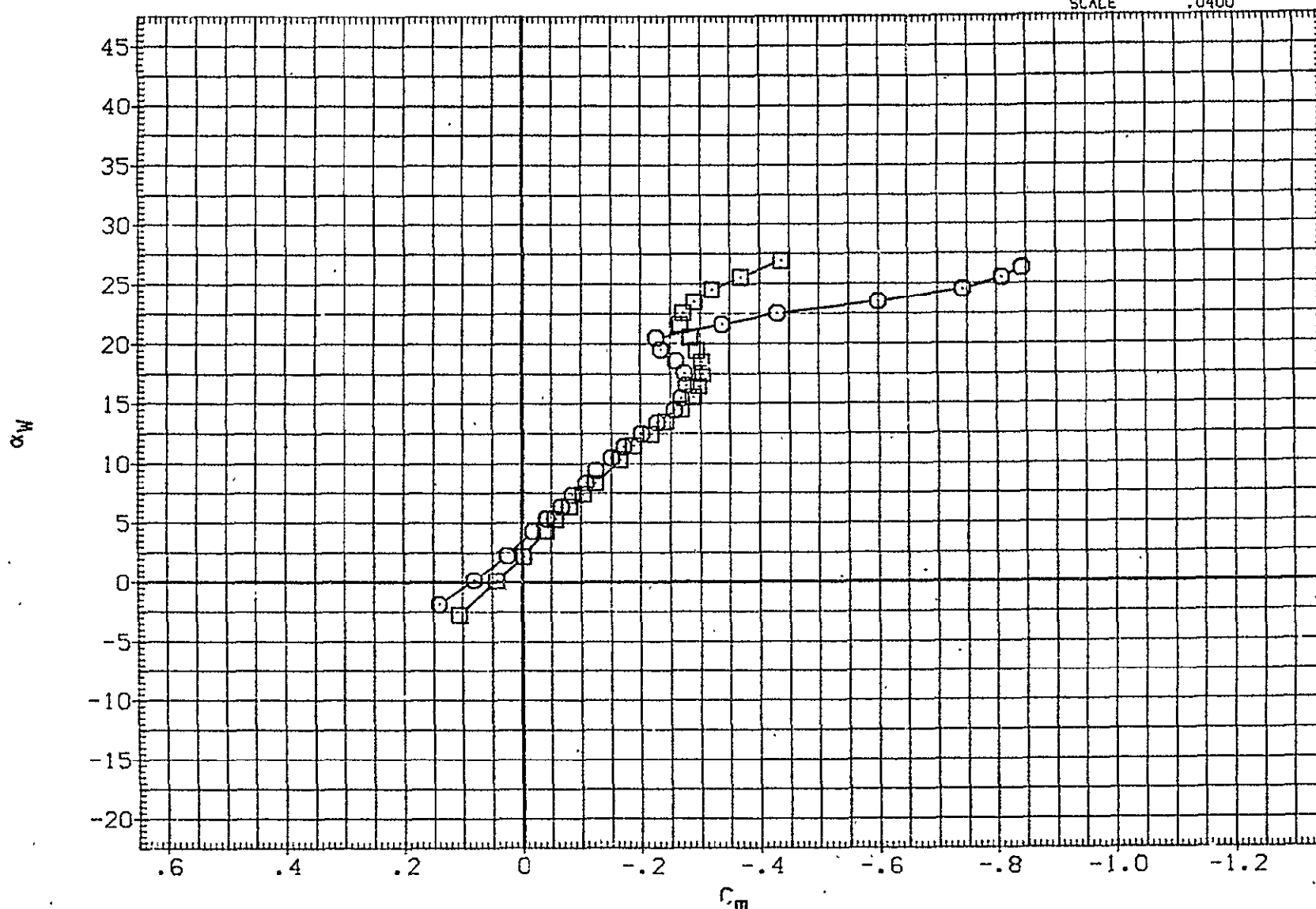


FIG 52 COMPARISON BETWEEN 747 ALONE AND FERRY CONFIGURATION, FLAPS 20
MAIN BALANCE DATA-ALPHA SWEEPS

(A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	IORB	ELEVON	REFERENCE INFORMATION	
(RJF017)	○	(CA-8) K1V9.1.2TS2H15.1F20	.000	-2.000			SREF	5500.0000 SQ.FT.
(RJF094)	□	(CA-8) K2V9.1.2TS5H15.6.1F20TS401	.000	-2.000	3.000	.000	LREF	327.8000 IN.
							BREF	2348.0000 IN.
							XMRP	1339.9100 IN.XC
							YMRP	.0000 IN.YC
							ZMRP	190.7500 IN.ZC
							SCALE	.0400

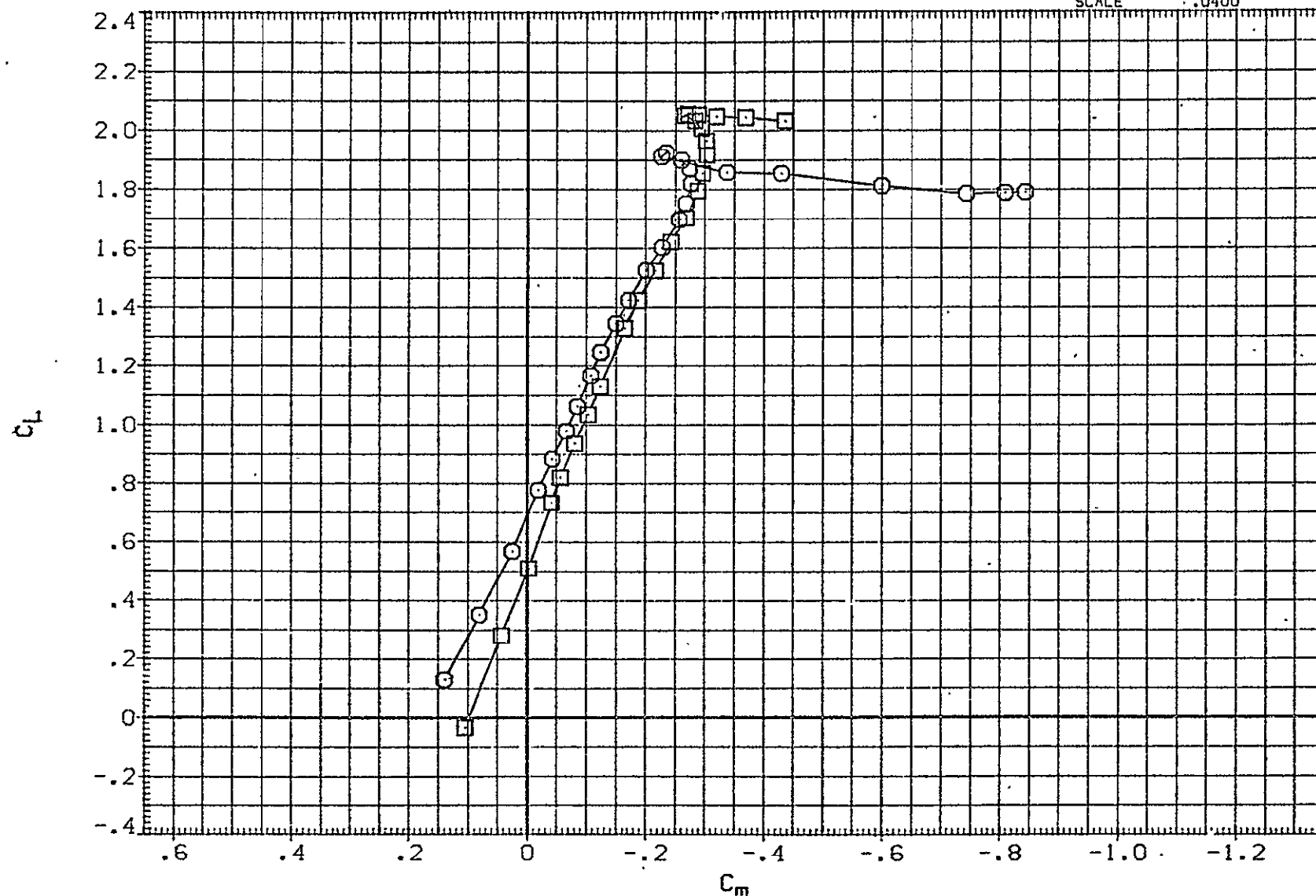


FIG 52 COMPARISON BETWEEN 747 ALONE AND FERRY CONFIGURATION, FLAPS 20
MAIN BALANCE DATA-ALPHA SWEEPS

(A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RJF017)	○	(CA-8) K1V9.1.2TS2H15.1F20
(RJF094)	□	(CA-8) K2V9.1.2TS5H15.6.1F20TS401

ELEVTR	STAB	IORB	ELEVON
.000	-2.000		
.000	-2.000	3.000	.000

REFERENCE INFORMATION		
SREF	5500.0000	SQ.FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMRF	1339.9100	IN.XC
YMRF	.0000	IN.YC
ZMRF	190.7500	IN.ZC
SCALE	.0400	

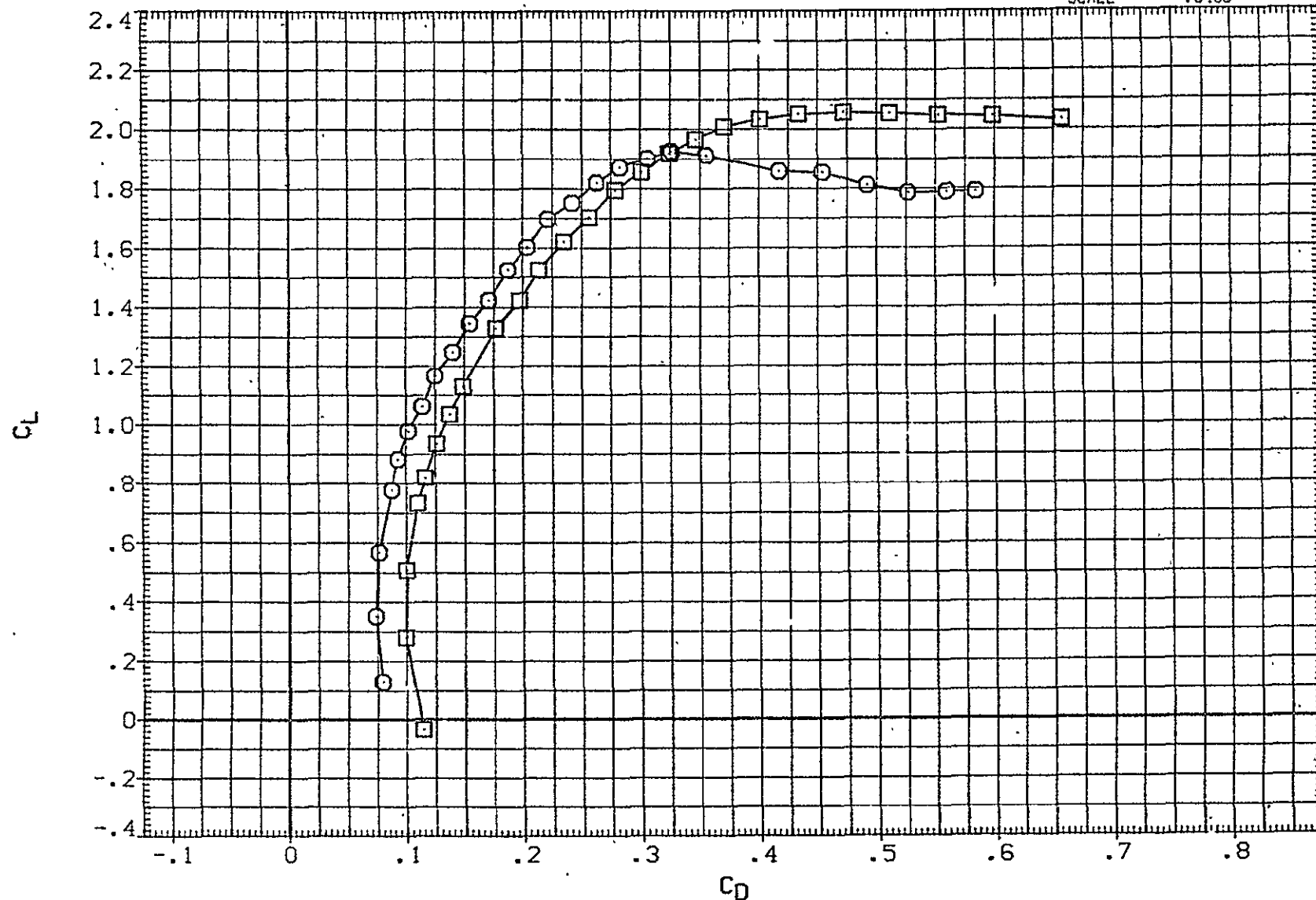


FIG 52 COMPARISON BETWEEN 747 ALONE AND FERRY CONFIGURATION, FLAPS 20
MAIN BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RJF031)	○	(CA-8) K1V9.1.2TS2H15.1F30G5.3.5
(RJF038)	□	(CA-8) K2V9.1.2TS5F30H15.6.165.3.5TS401

ELEVTR	STAB	IORE	ELEVON
.000	-2.000		
.000	-2.000	3.000	.000

REFERENCE INFORMATION		
SREF	5500.0000	SQ.FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMRP	1339.9100	IN.XC
YMRP	.0000	IN.YC
ZMRP	190.7500	IN.ZC
SCALE	.0400	

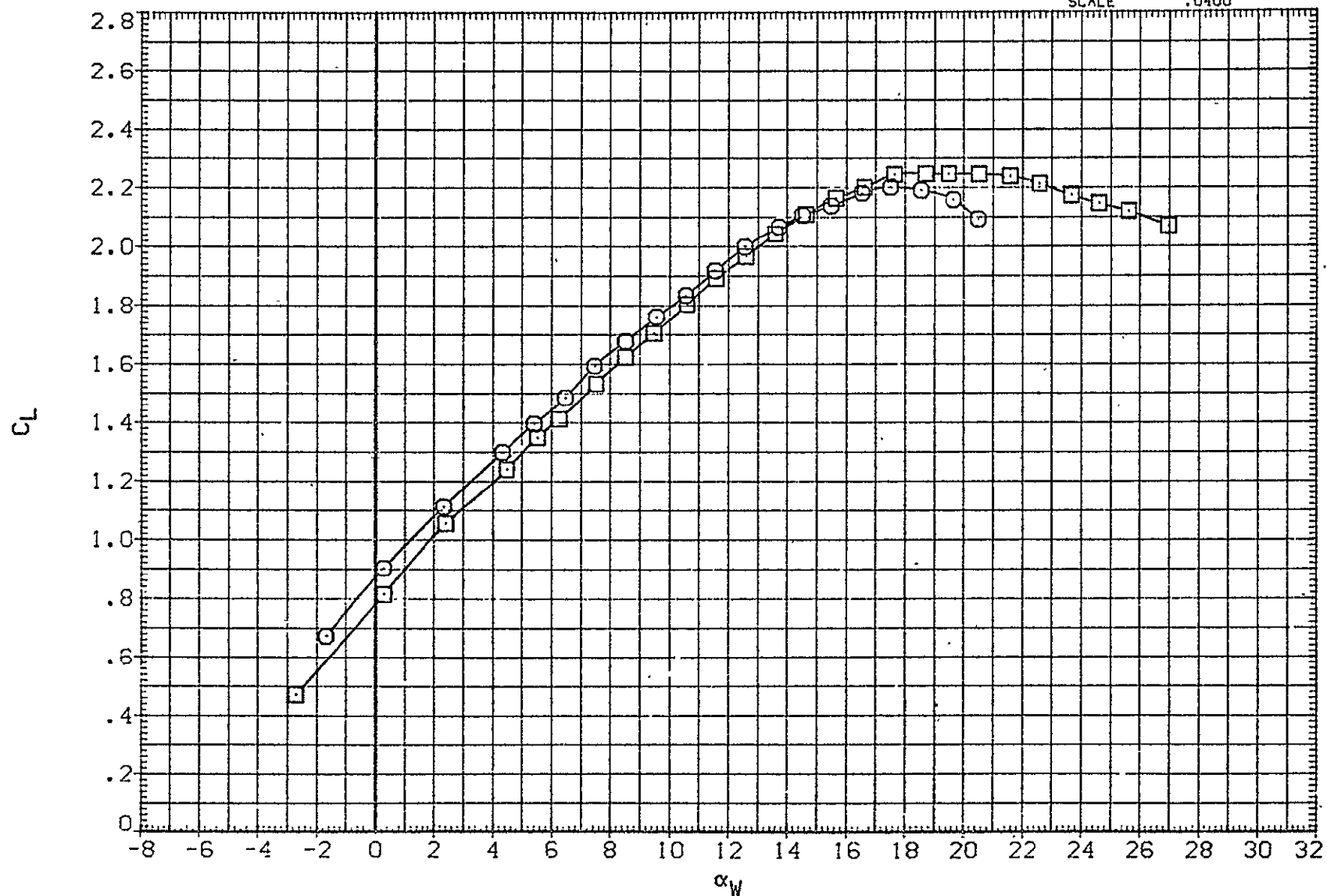


FIG 53 COMPARISON BETWEEN 747 ALONE AND FERRY CONFIGURATION, FLAPS 30
MAIN BALANCE DATA-ALPHA SWEEPS

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RJF031)	○	(CA-8) K1V9.1.2TS2H15.1F30G5.3.5
(RJF038)	□	(CA-8) K2V9.1.2TS5F30H15.6.1G5.3.5TS401

ELEVTR	SIAB	IORB	ELEVON
.000	-2.000		
.000	-2.000	3.000	.000

REFERENCE INFORMATION		
SREF	5500.0000	50.FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMRP	1339.9100	IN.XC
YMRP	.0000	IN.YC
ZMRP	190.7500	IN.ZC
SCALE	.0400	

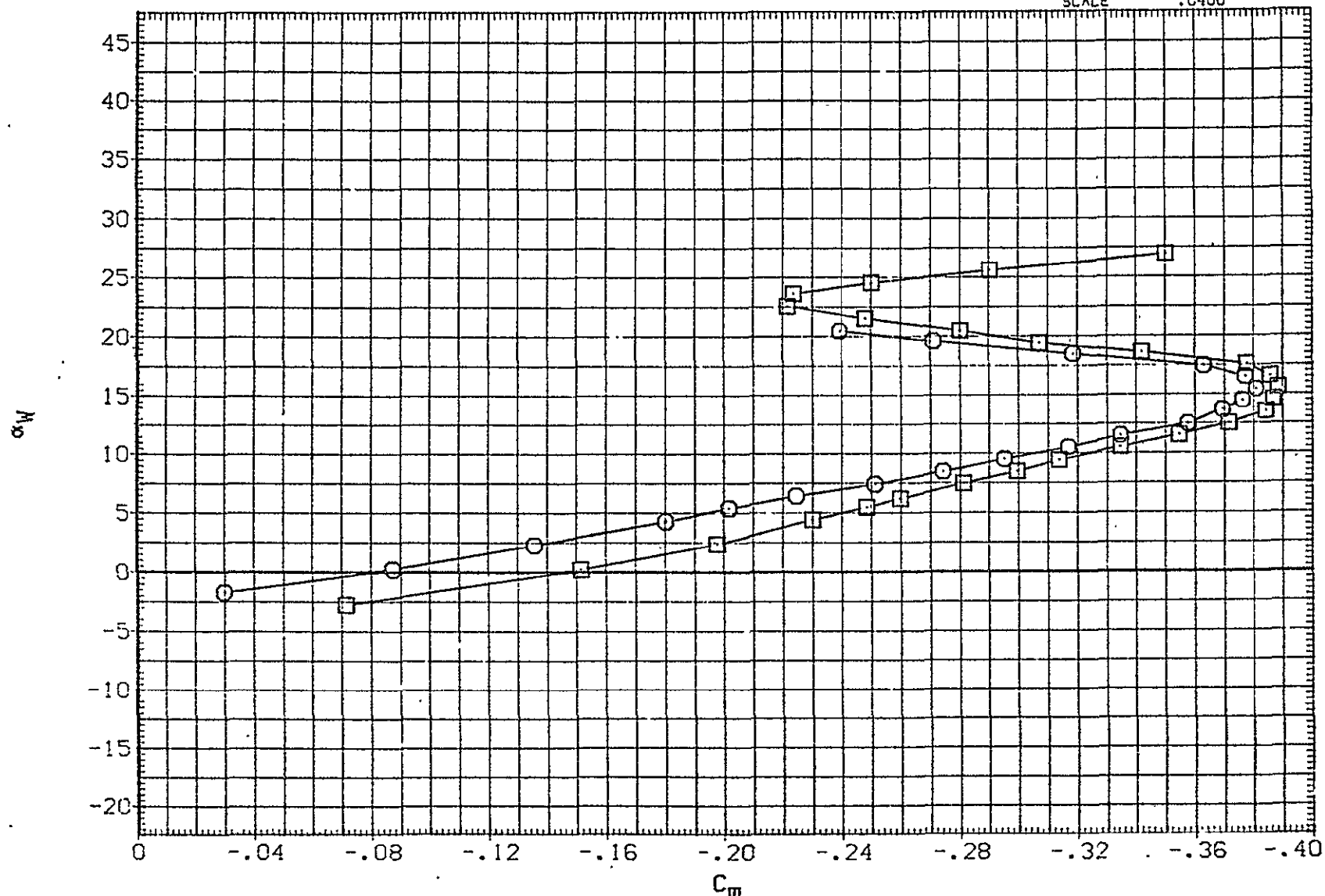


FIG 53 COMPARISON BETWEEN 747 ALONE AND FERRY CONFIGURATION, FLAPS 30
MAIN BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RJF031)	○	(CA-8) K1V9.1.2TS2H15.1F30G5.3.5
(RJF038)	□	(CA-8) K2V9.1.2TS5F30H15.6.1G5.3.5TS401

ELEVTR	STAB	IGRB	ELEVON
.000	-2.000		
.000	-2.000	3.000	.000

REFERENCE INFORMATION		
SREF	5500.0000	50.FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMRP	1339.9100	IN.XC
YMRP	.0000	IN.YC
ZMRP	190.7500	IN.ZC
SCALE	.0400	

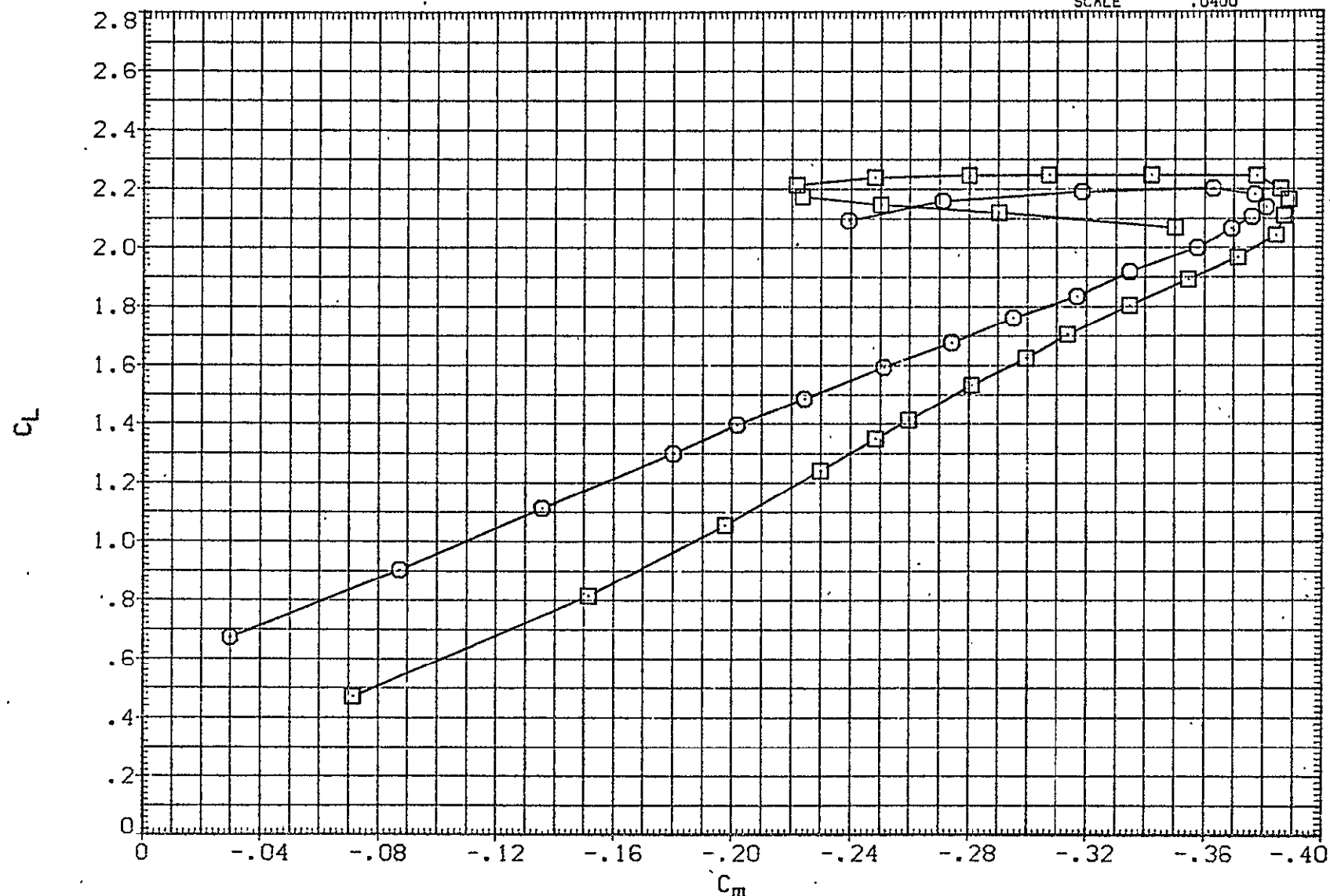


FIG 53 COMPARISON BETWEEN 747 ALONE AND FERRY CONFIGURATION, FLAPS 30
MAIN BALANCE DATA-ALPHA SWEEPS

(A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RJF031)	○	(CA-8) K1V9.1.2TS2H15.1F30G5.3.5
(RJF038)	□	(CA-8) K2V9.1.2TS5F30H15.6.165.3.5TS401

ELEVTR	STAB	IORB	ELEVON
.000	-2.000		
.000	-2.000	3.000	.000

REFERENCE INFORMATION	
SREF	5500.0000 SQ.FT.
LREF	327.8000 IN.
BREF	2348.0000 IN.
XMRP	1339.9100 IN.XC
YMRP	.0000 IN.YC
ZMRP	190.7500 IN.ZC
SCALE	.0400

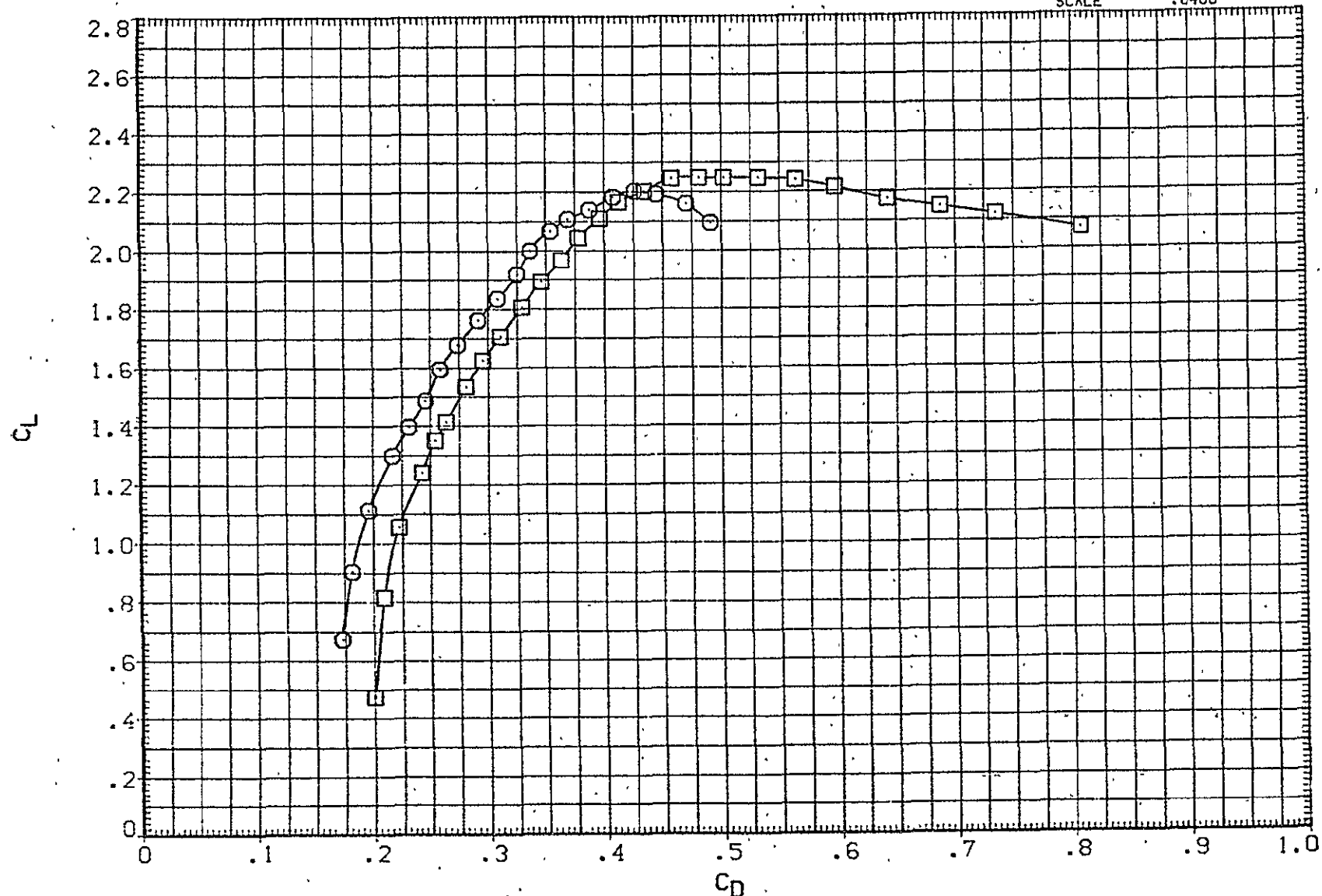


FIG 53 COMPARISON BETWEEN 747 ALONE AND FERRY CONFIGURATION, FLAPS 30
MAIN BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RJF004)	○	(CA-8) K1V9.1.2TS2H15.1F10
(RJF106)	□	(CA-8) K3V9.1.2TS5H15.6.1F10TS402
(RJF112)	◇	(CA-8) K3V9.1.2TS5H15.6.1F10TS402

ELEVTR	STAB	IORB	ELEVON
.000	-2.000		
.000	-2.000	6.000	-5.000
.000	-2.000	8.000	-5.000

REFERENCE INFORMATION		
SREF	5500.0000	SO.FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XM RP	1339.9100	IN.XC
YM RP	.0000	IN.YC
ZM RP	190.7500	IN.ZC
SCALE	.0400	

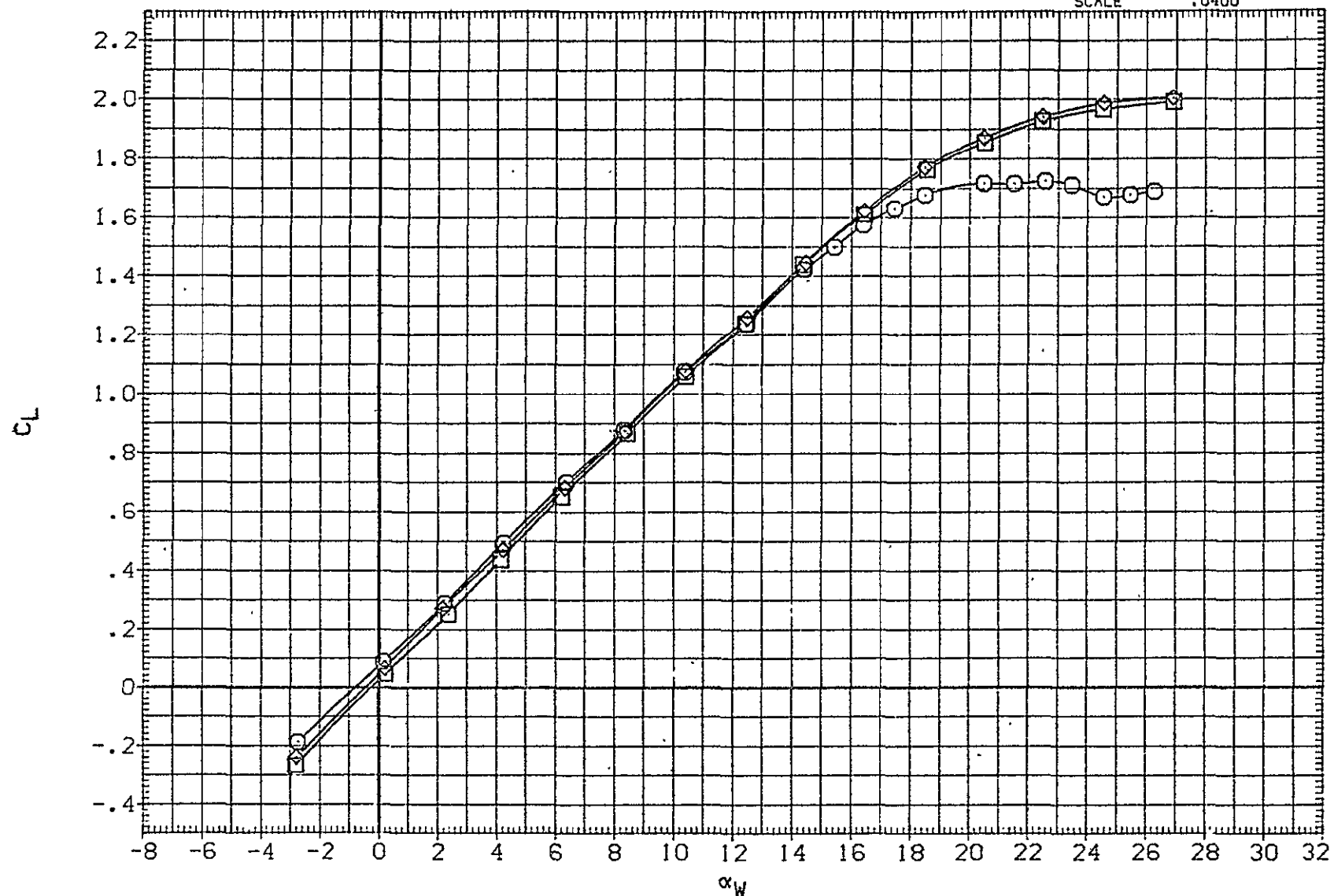


FIG 54 COMPARISON BETWEEN 747 ALONE AND ALT CONFIG. TC OFF, FLAPS 10
MAIN BALANCE DATA-ALPHA SWEEPS

(A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RJF004)	○	(CA-8) K1V9.1.2TS2H15.1F10
(RJF106)	□	(CA-8) K3V9.1.2TS5H15.6.1F10TS402
(RJF112)	◇	(CA-8) K3V9.1.2TS5H15.6.1F10TS402

ELEVTR	STAB	IORB	ELEVON	REFERENCE INFORMATION	
.000	-2.000			SREF	5500.0000 SO.FT.
.000	-2.000	6.000	-5.000	LREF	327.8000 IN.
.000	-2.000	8.000	-5.000	BREF	2348.0000 IN.
				XM RP	1339.9100 IN.XC
				YM RP	.0000 IN.YC
				ZM RP	190.7500 IN.ZC
				SCALE	.0400

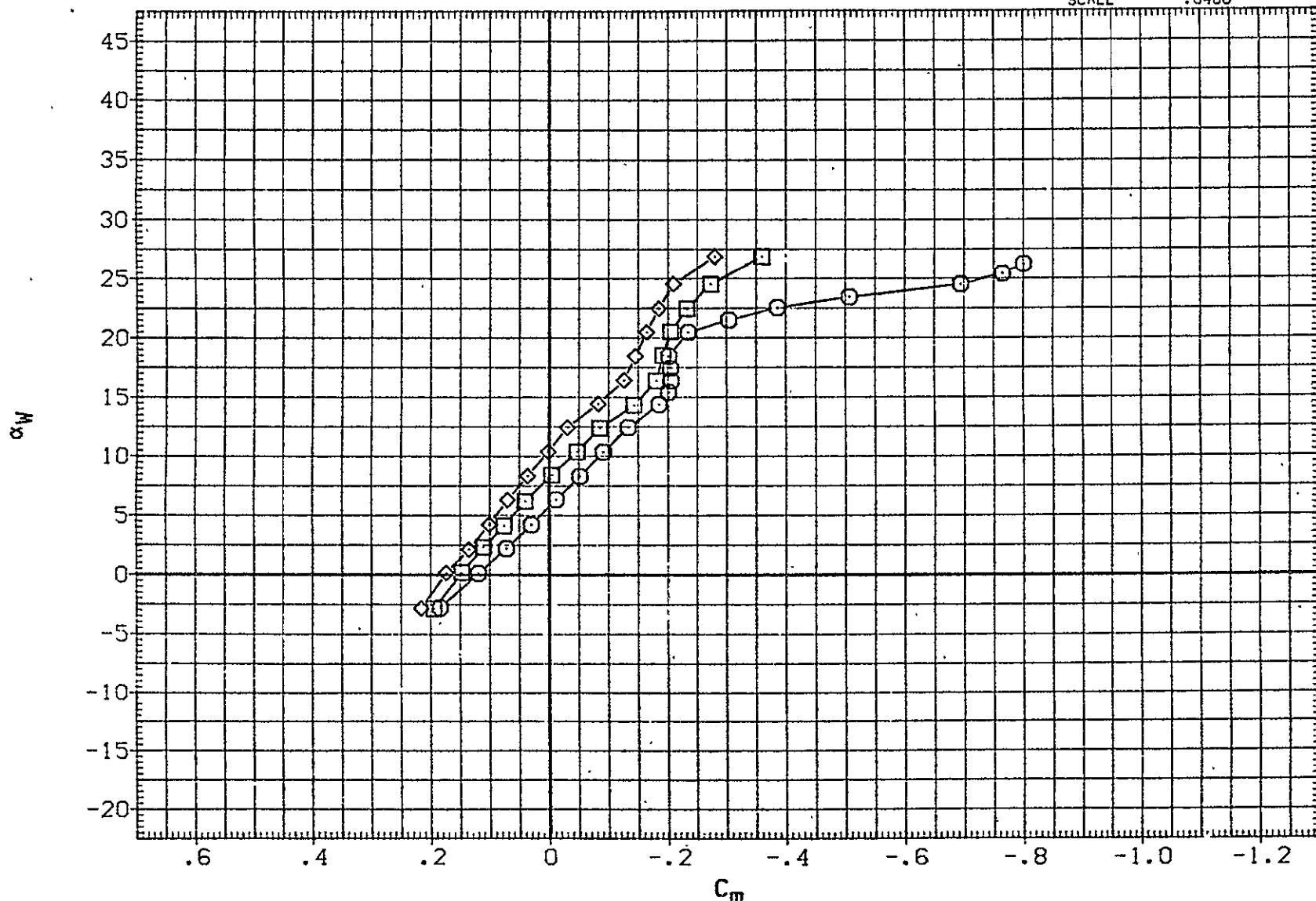


FIG 54 COMPARISON BETWEEN 747 ALONE AND ALT CONFIG. TC OFF, FLAPS 10
MAIN BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

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DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RJF004)	○	(CA-8) K1V9.1.2TS2H15.1F10
(RJF106)	□	(CA-8) K3V9.1.2TS5H15.6.1F10TS402
(RJF112)	◇	(CA-8) K3V9.1.2TS5H15.6.1F10TS402

ELEVTR	SIAB	IORB	ELEVON
.000	-2.000		
.000	-2.000	6.000	-5.000
.000	-2.000	8.000	-5.000

REFERENCE INFORMATION		
SREF	5500.0000	SQ.FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMRP	1339.9100	IN.XC
YMRP	.0000	IN.YC
ZMRP	190.7500	IN.ZC
SCALE	.0400	

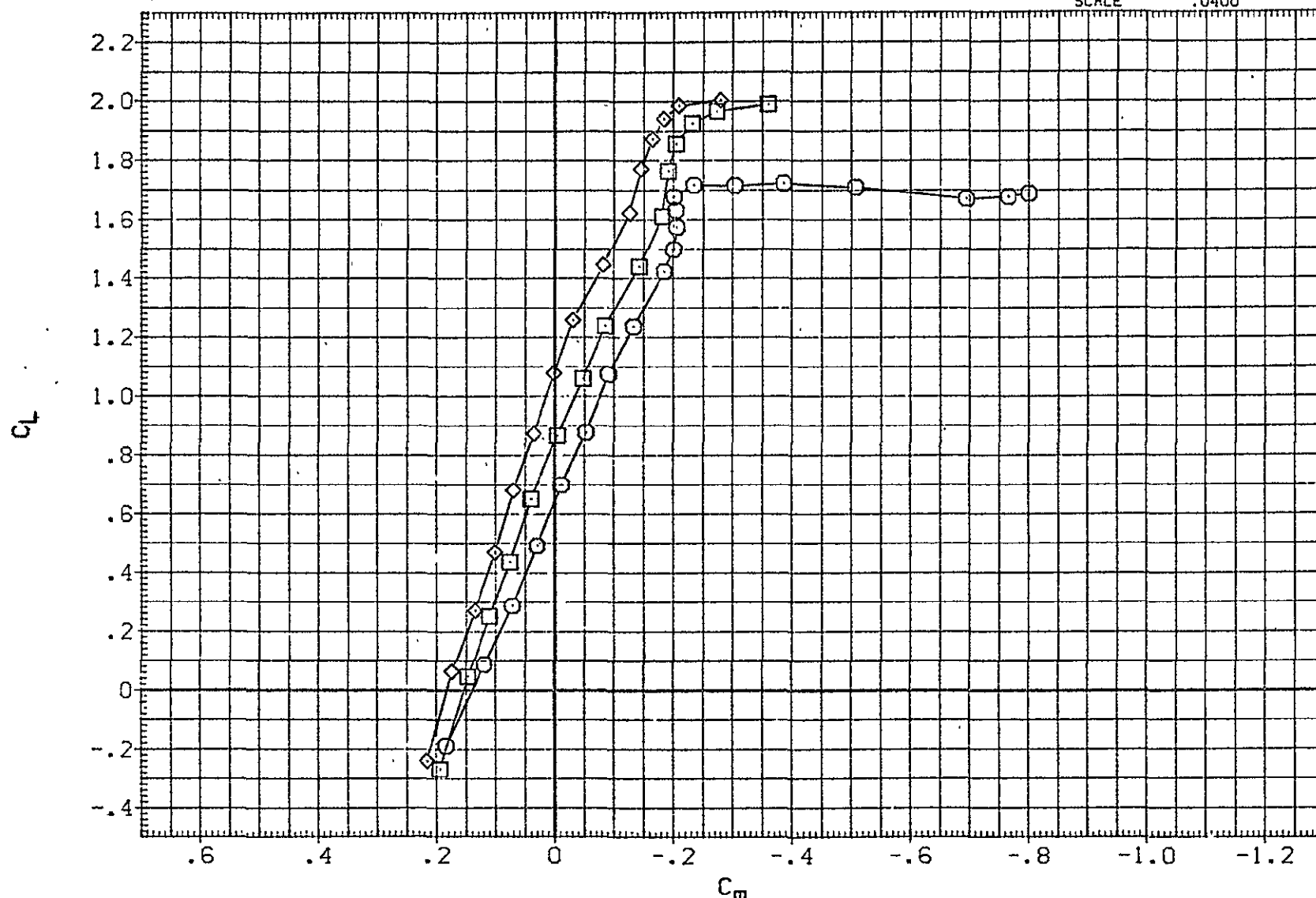


FIG 54 COMPARISON BETWEEN 747 ALONE AND ALT CONFIG. TC OFF, FLAPS 10
MAIN BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RJF004)	○	(CA-8) K1V9.1.2TS2H15.1F10
(RJF106)	□	(CA-8) K3V9.1.2TS5H15.6.1F10TS402
(RJF112)	◇	(CA-8) K3V9.1.2TS5H15.6.1F10TS402

ELEVTR	STAB	IORB	ELEVON
.000	-2.000		
.000	-2.000	6.000	-5.000
.000	-2.000	8.000	-5.000

REFERENCE INFORMATION		
SREF	5500.0000	SQ.FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMRP	1339.9100	IN.XC
YMRP	.0000	IN.YC
ZMRP	190.7500	IN.ZC
SCALE	.0400	

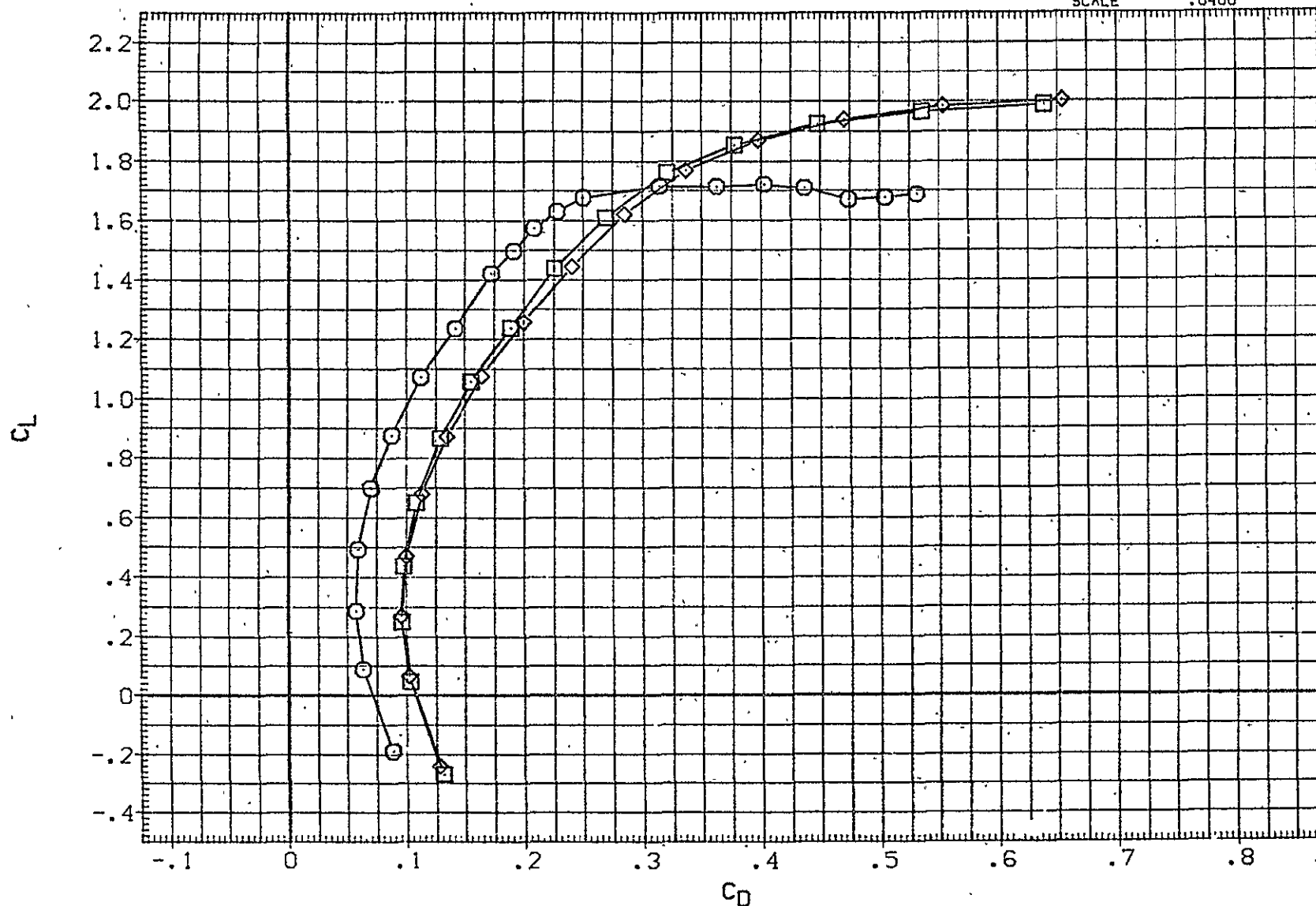


FIG 54 COMPARISON BETWEEN 747 ALONE AND ALT CONFIG. TC OFF, FLAPS 10
MAIN BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	ICRB	ELEVON	REFERENCE INFORMATION	
(RJF031)	○	(CA-8) K1V9.1.2TS2H15.1F30G5.3.5	.000	-2.000			SREF	5500.0000 SQ.FT.
(RJF067)	□	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402	.000	-2.000	6.000	-5.000	LREF	327.8000 IN.
(RJF075)	◇	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402	.000	-2.000	8.000	-5.000	BREF	2348.0000 IN.
							XMRP	1339.9100 IN.XC
							YMRP	.0000 IN.YC
							ZMRP	190.7500 IN.ZC
							SCALE	.0400

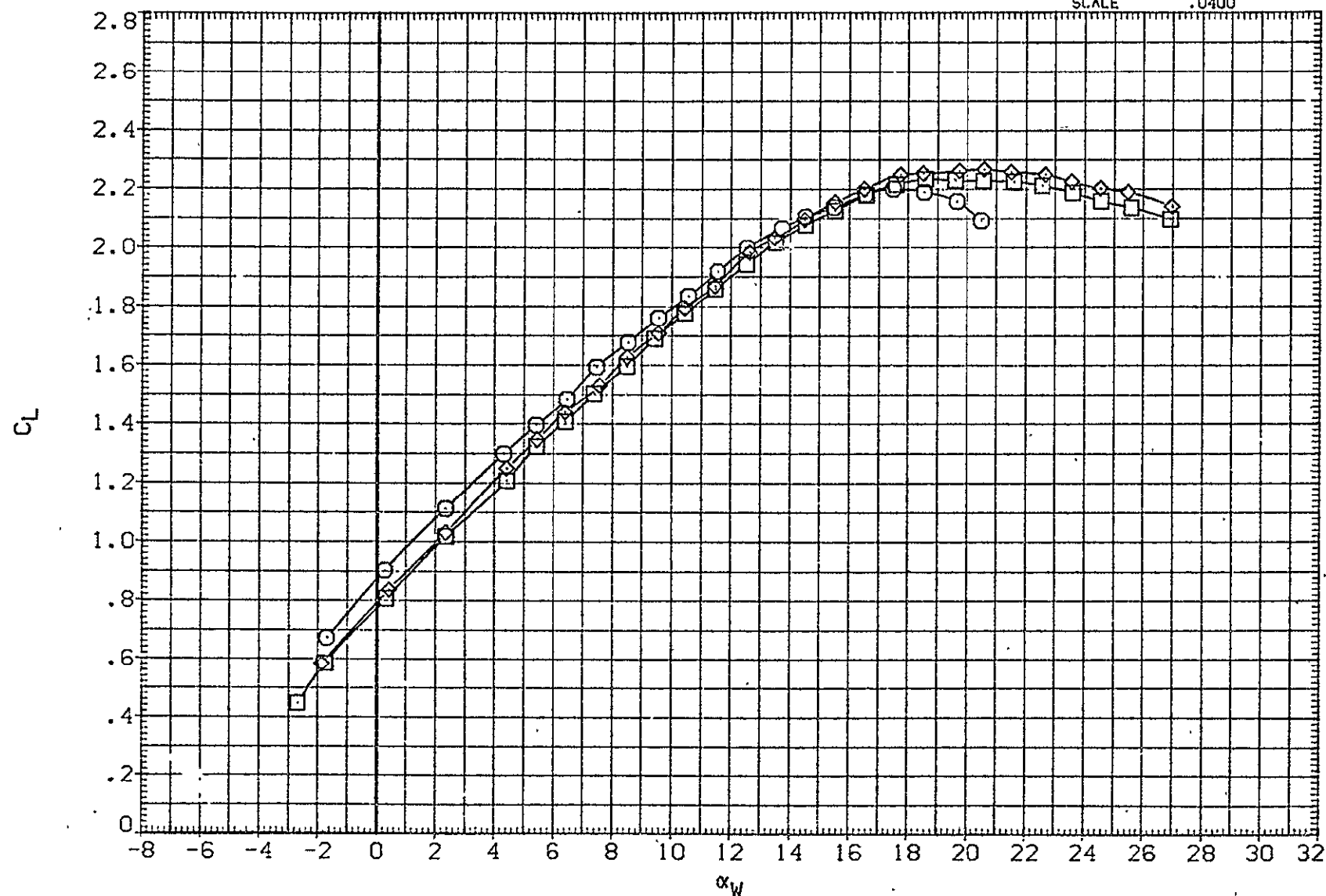


FIG 55 COMPARISON BETWEEN 747 ALONE AND ALT CONFIG. TC OFF, FLAPS 30
MAIN BALANCE DATA-ALPHA SWEEPS

(A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	ICRB	ELEVON	REFERENCE INFORMATION		
(RJF031)	○	(CA-8) K1V9.1.2TS2H15.1F30G5.3.5	.000	-2.000			SREF	5500.0000	SQ.FT.
(RJF067)	□	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402	.000	-2.000	6.000	-5.000	LREF	327.8000	IN.
(RJF075)	◇	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402	.000	-2.000	8.000	-5.000	BREF	2348.0000	IN.
							XMRP	1339.9100	IN.XC
							YMRP	.0000	IN.YC
							ZMRP	190.7500	IN.ZC
							SCALE	.0400	

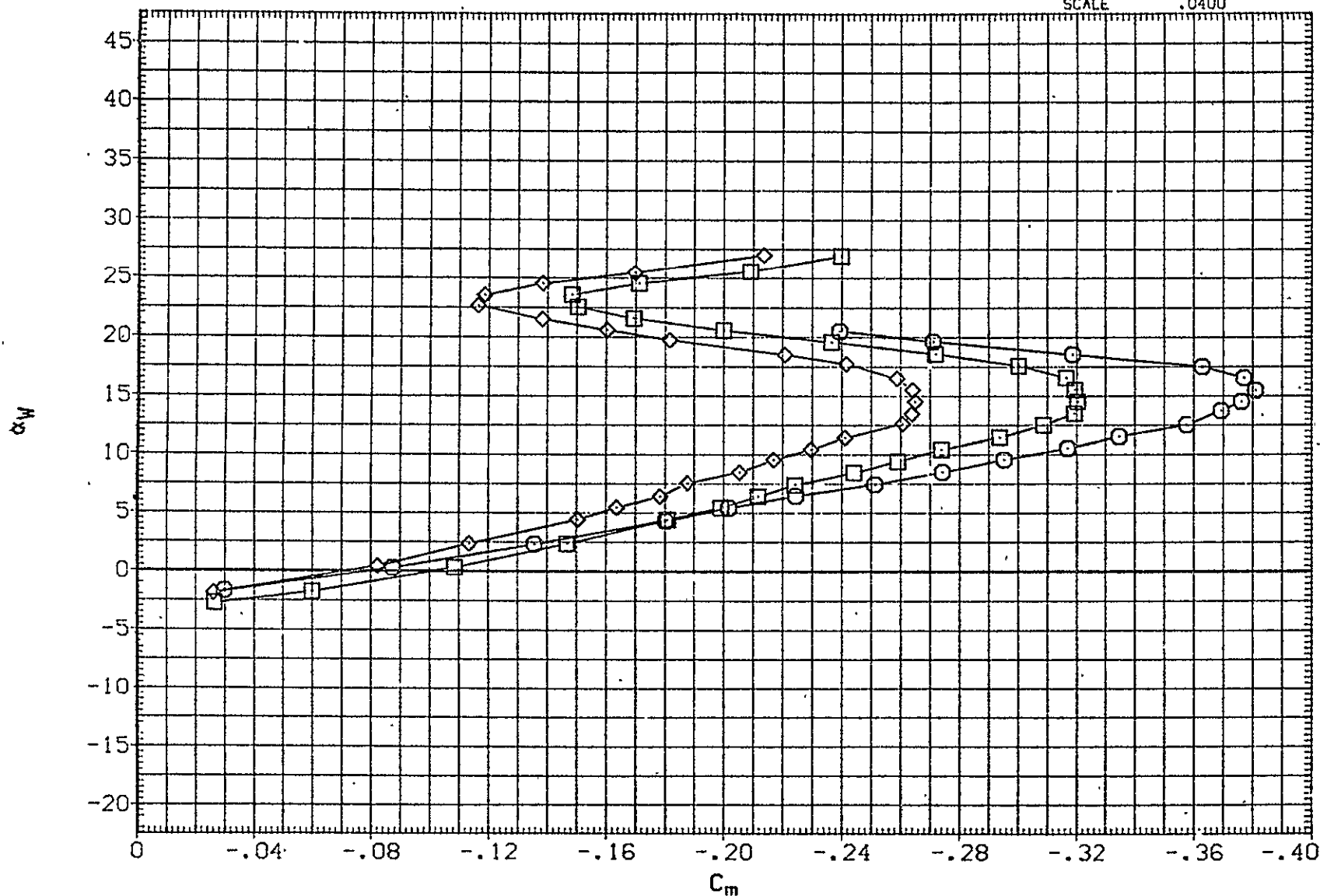


FIG 55 COMPARISON BETWEEN 747 ALONE AND ALT CONFIG. TC OFF, FLAPS 30
MAIN BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RJF031)	○	(CA-8) K1V9.1.2TS2H15.1F30G5.3.5
(RJF067)	□	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402
(RJF075)	◇	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402

ELEVTR	STAB	IORB	ELEVON
.000	-2.000		
.000	-2.000	6.000	-5.000
.000	-2.000	8.000	-5.000

REFERENCE INFORMATION		
SREF	5500.0000	SQ.FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMRP	1339.9100	IN. XC
YMRP	.0000	IN. YC
ZMRP	190.7500	IN. ZC
SCALE	.0400	

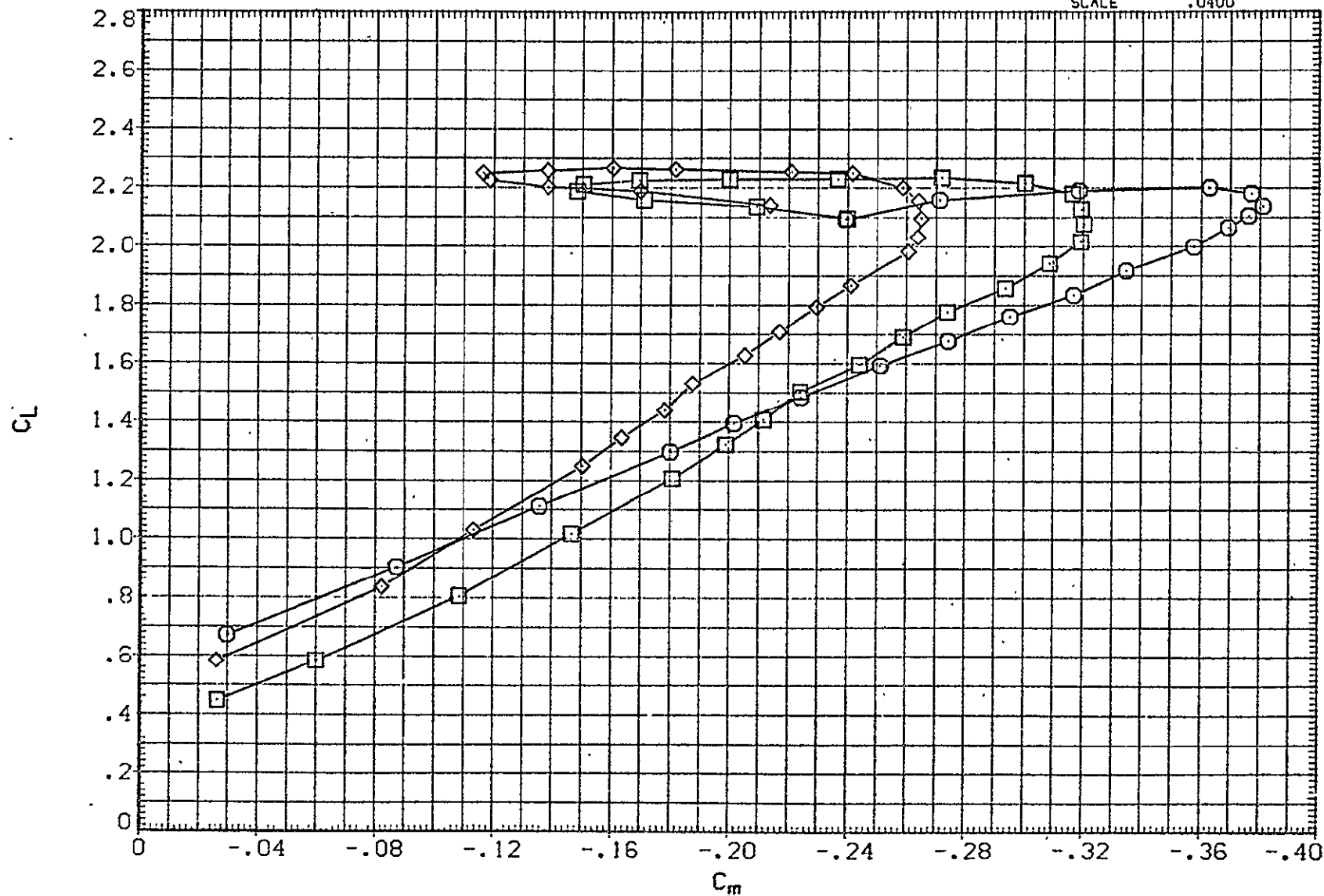


FIG 55 COMPARISON BETWEEN 747 ALONE AND ALT CONFIG. TC OFF, FLAPS 30
MAIN BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	IORB	ELEVON	REFERENCE INFORMATION		
(RJF031)	○	(CA-8) K1V9.1.2TS2H15.1F30G5.3.5	.000	-2.000			SREF	5500.0000	SG.FT.
(RJF067)	□	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402	.000	-2.000	6.000	-5.000	LREF	327.8000	IN.
(RJF075)	◇	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402	.000	-2.000	8.000	-5.000	BREF	2348.0000	IN.
							XMRP	1339.9100	IN.XC
							YMRP	.0000	IN.YC
							ZMRP	190.7500	IN.ZC
							SCALE	.0400	

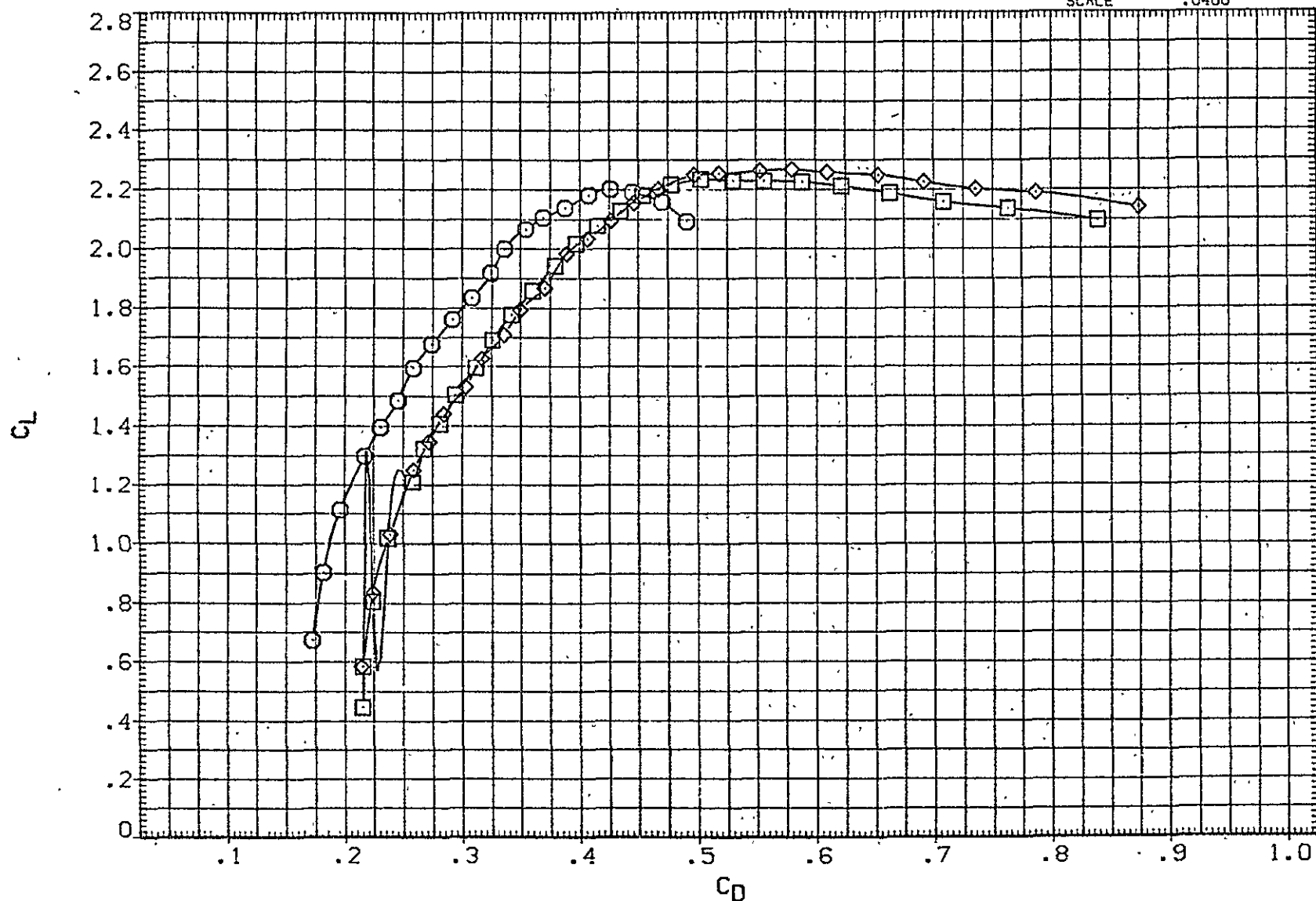


FIG 55 COMPARISON BETWEEN 747 ALONE AND ALT CONFIG. TC OFF, FLAPS 30
MAIN BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RJF017)	○	(CA-8) K1V9.1.2TS2H15.1F20
(RJF083)	◇	(CA-8) K3V9.1.2TS5H15.6.1F20TS40
(RJF091)	◇	(CA-8) K3V9.1.2TS5H15.6.1F20TS40

ELEVTR	STAB	IORB	ELEVON
.000	-2.000		
.000	-2.000	6.000	-5.000
.000	-2.000	8.000	-5.000

REFERENCE INFORMATION		
SREF	5500.0000	SQ. FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMRP	1339.9100	IN. XC
YMRP	.0000	IN. YC
ZMRP	190.7500	IN. ZC
SCALE	.0400	

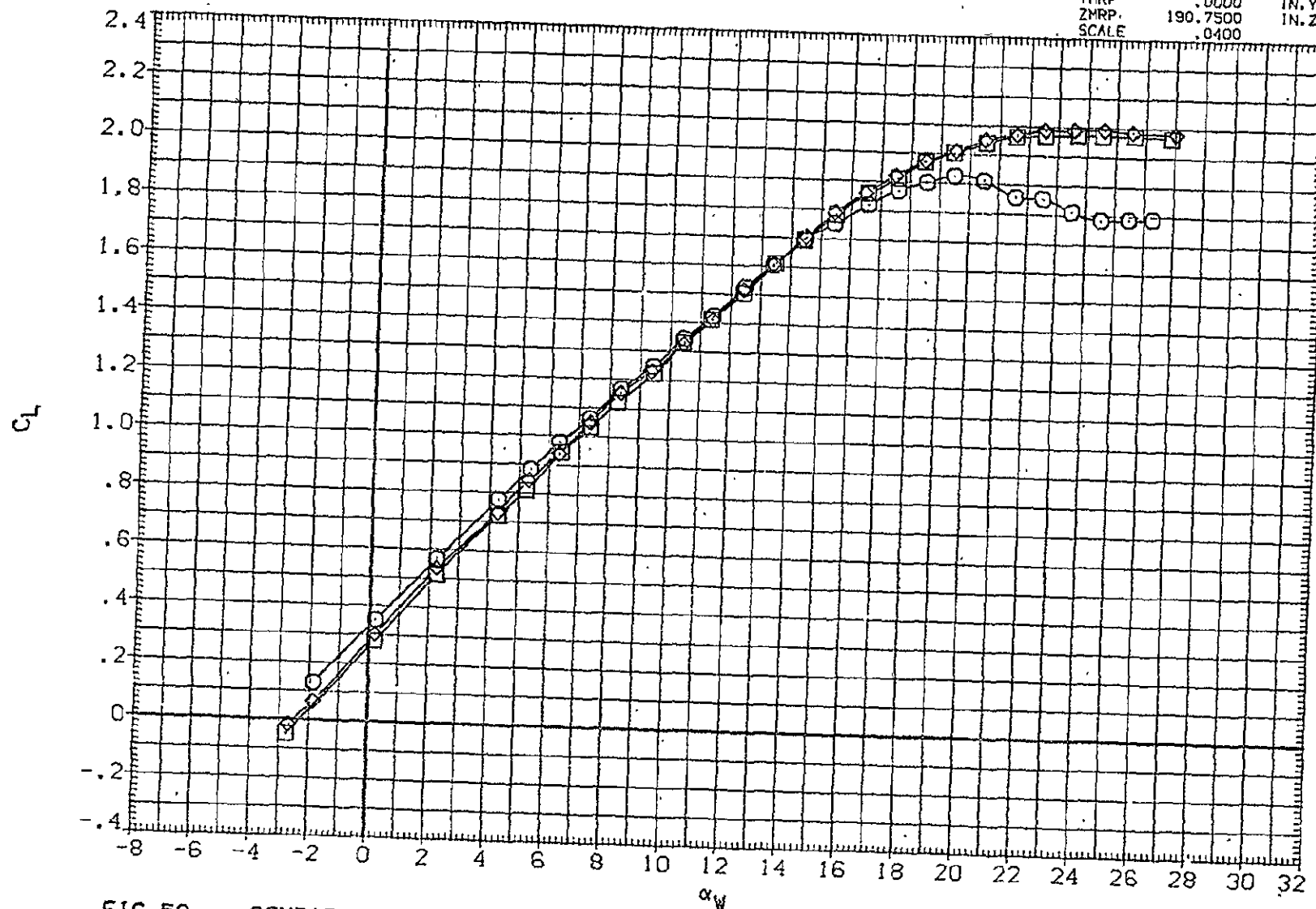


FIG 56 COMPARISON BETWEEN 747 ALONE AND ALT CONFIG. TC ON. FLAPS 20
MAIN BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RJF017)	○	(CA-8) K1V9.1.2TS2H15.1F20
(RJF083)	□	(CA-8) K3V9.1.2TS5H15.6.1F20TS401
(RJF091)	◇	(CA-8) K3V9.1.2TS5H15.6.1F20TS401

ELEVTR	STAB	ICRB	ELEVON	REFERENCE INFORMATION		
.000	-2.000			SREF	5500.0000	90.FT.
.000	-2.000	6.000	-5.000	LREF	327.8000	IN.
.000	-2.000	8.000	-5.000	BREF	2348.0000	IN.
				XMRP	1339.9100	IN.XC
				YMRP	.0000	IN.YC
				ZMRP	190.7500	IN.ZC
				SCALE	.0400	

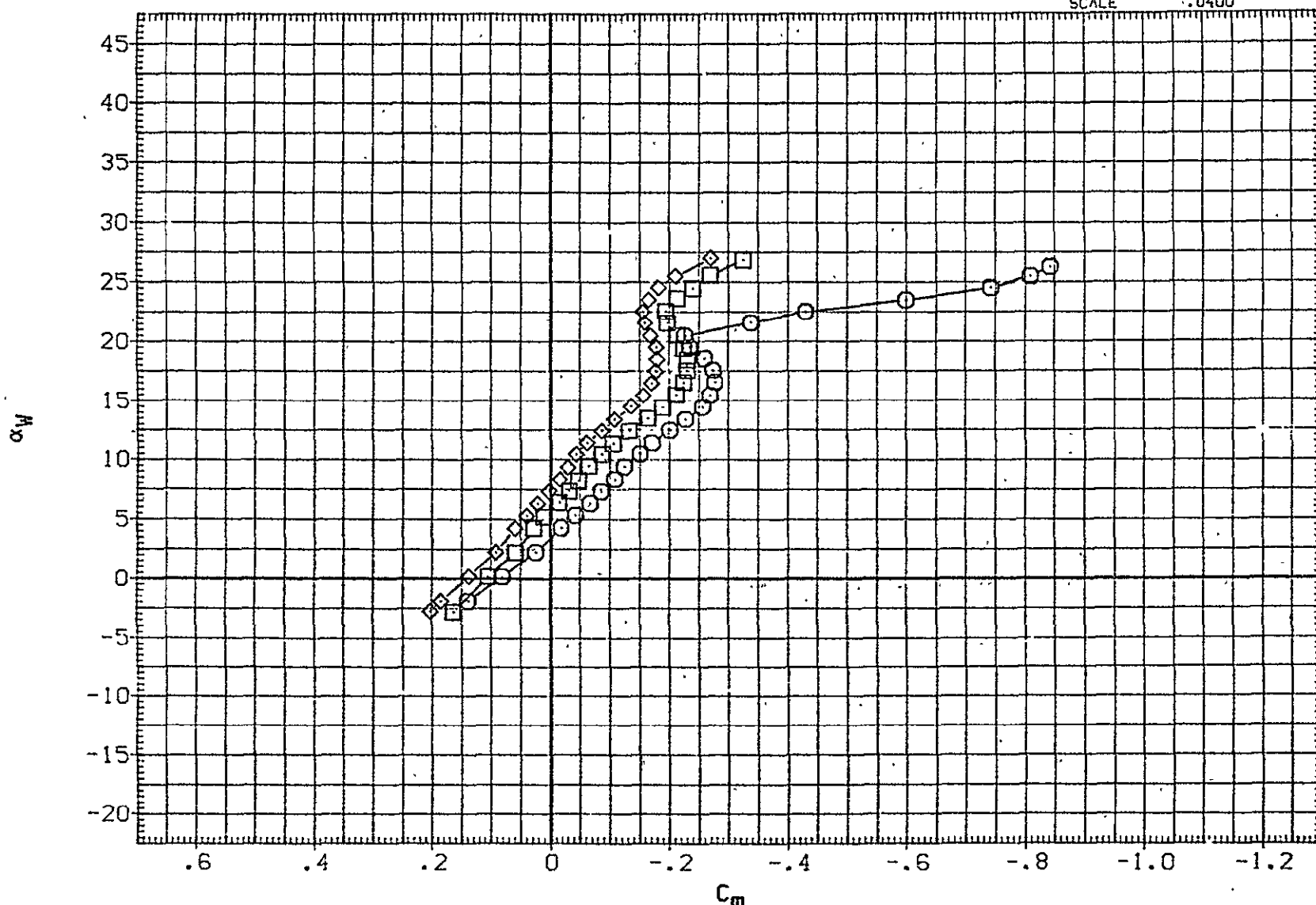


FIG 56 COMPARISON BETWEEN 747 ALONE AND ALT CONFIG. TC ON, FLAPS 20
MAIN BALANCE DATA-ALPHA SWEEPS

(A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RJF017)	○	(CA-8) K1V9.1.2TS2H15.1F20
(RJF083)	□	(CA-8) K3V9.1.2TS5H15.6.1F20TS401
(RJF091)	◇	(CA-8) K3V9.1.2TS5H15.6.1F20TS401

ELEVTR	STAB	IORB	ELEVON
.000	-2.000		
.000	-2.000	6.000	-5.000
.000	-2.000	8.000	-5.000

REFERENCE INFORMATION		
SREF	5500.0000	SQ.FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMRP	1339.9100	IN. XC
YMRP	.0000	IN. YC
ZMRP	190.7500	IN. ZC
SCALE	.0400	

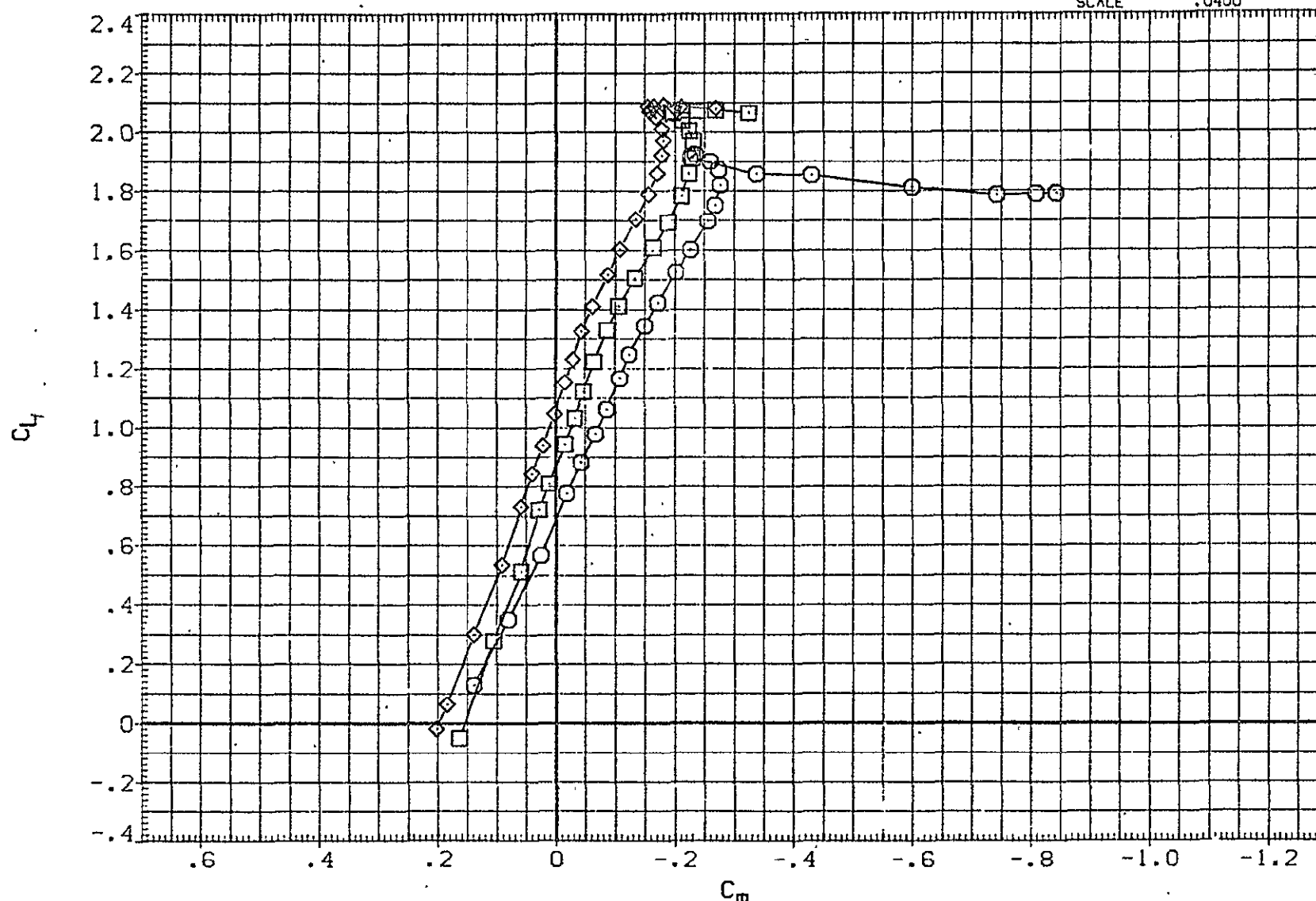


FIG 56 COMPARISON BETWEEN 747 ALONE AND ALT CONFIG. TC ON. FLAPS 20
MAIN BALANCE DATA-ALPHA SWEEPS

(A) MACH = .15

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DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RJF017)	○	(CA-8) K1V9.1.2TS2H15.1F20
(RJF083)	□	(CA-8) K3V9.1.2TS5H15.6.1F20TS401
(RJF091)	◇	(CA-8) K3V9.1.2TS5H15.6.1F20TS401

ELEVTR	STAB	IORB	ELEVON	REFERENCE INFORMATION	
.000	-2.000			SREF	5500.0000 SQ.FT.
.000	-2.000	6.000	-5.000	LREF	327.8000 IN.
.000	-2.000	8.000	-5.000	BREF	2348.0000 IN.
				XMRP	1339.9100 IN.XC
				YMRP	.0000 IN.YC
				ZMRP	190.7500 IN.ZC
				SCALE	.0400

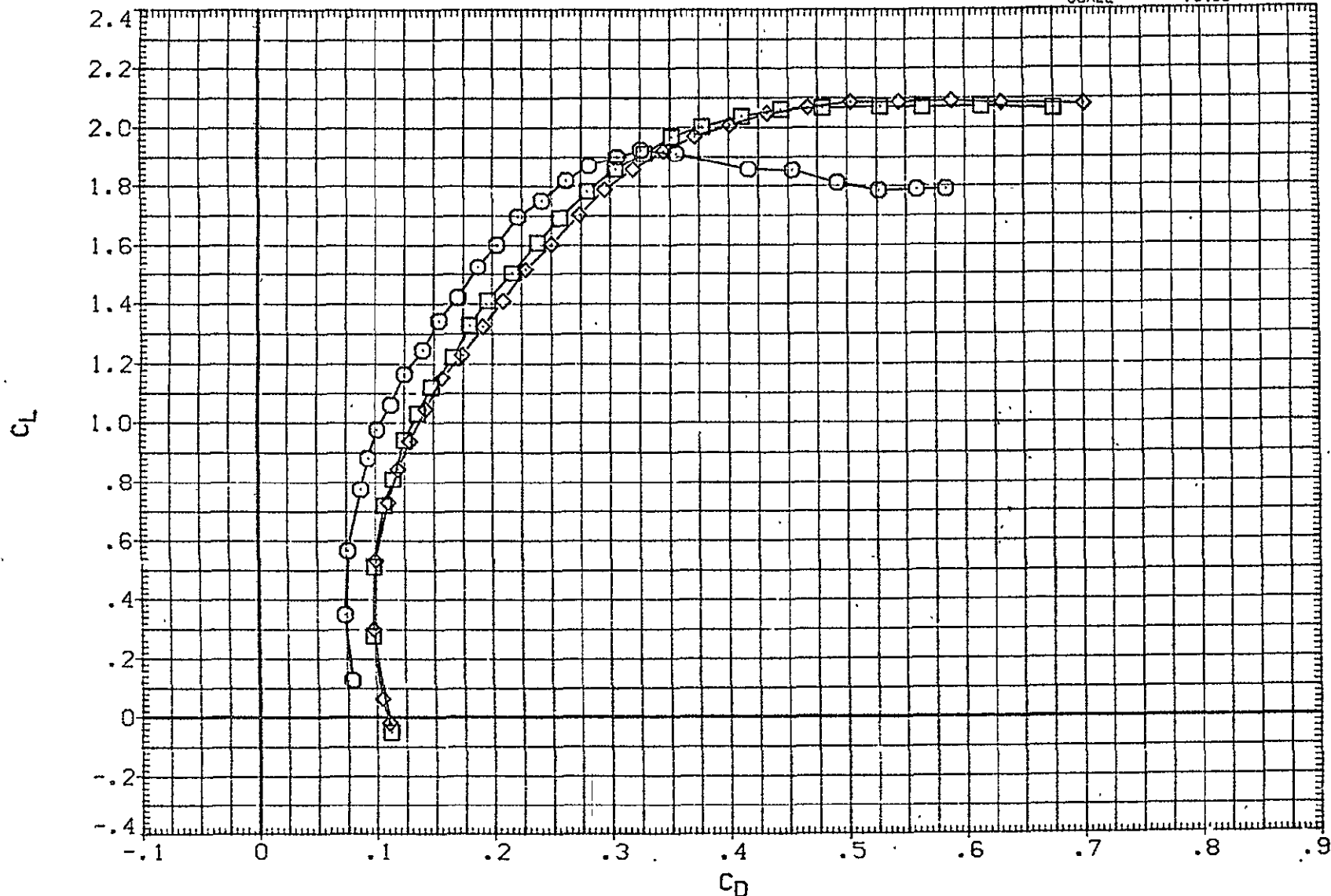


FIG 56 COMPARISON BETWEEN 747 ALONE AND ALT CONFIG. TC ON, FLAPS 20
MAIN BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	IORB	ELEVON	REFERENCE INFORMATION		
(RJF031)	○	(CA-8) K1V9.1.2TS2H15.1F30G5.3.5	.000	-2.000			SREF	5500.0000	SQ.FT.
(RJF054)	□	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	.000	-2.000	6.000	-5.000	LREF	327.8000	IN.
(RJF060)	◇	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	.000	-2.000	8.000	-5.000	BREF	2348.0000	IN.
							XMRP	1339.9100	IN.XC
							YMRP	.0000	IN.YC
							ZMRP	190.7500	IN.ZC
							SCALE	.0400	

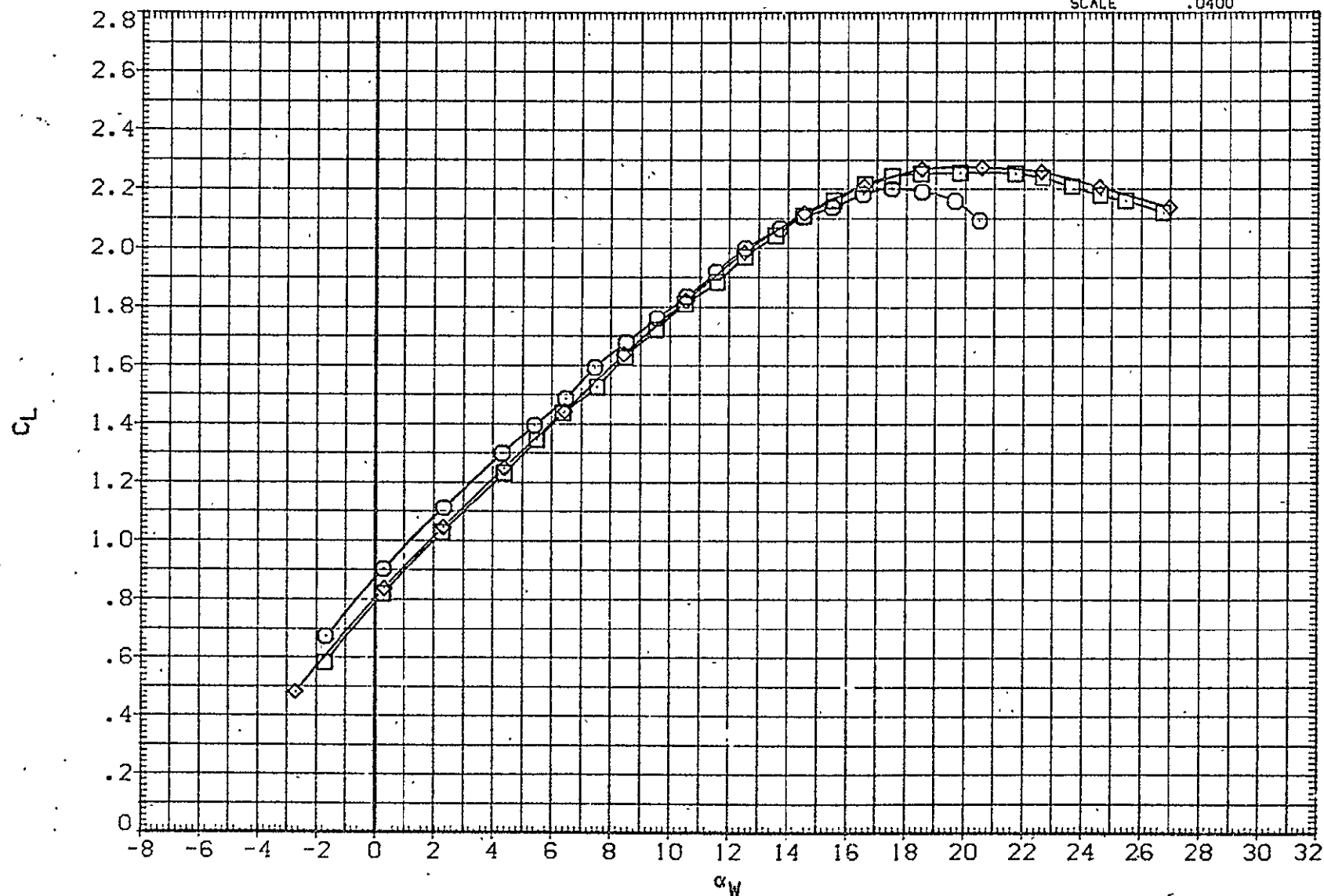


FIG 57 COMPARISON BETWEEN 747 ALONE AND ALT CONFIG. TC ON. FLAPS 30
MAIN BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	IORB	ELEVON	REFERENCE INFORMATION		
(RJF031)	○	(CA-8) K1V9.1.2TS2H15.1F30G5.3.5	.000	-2.000			SREF	5500.0000	50. FT.
(RJF054)	□	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	.000	-2.000	6.000	-5.000	LREF	327.8000	IN.
(RJF060)	◇	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	.000	-2.000	8.000	-5.000	BREF	2348.0000	IN.
							XMRP	1339.9100	IN. XC
							YMRP	.0000	IN. YC
							ZMRP	190.7500	IN. ZC
							SCALE	.0400	

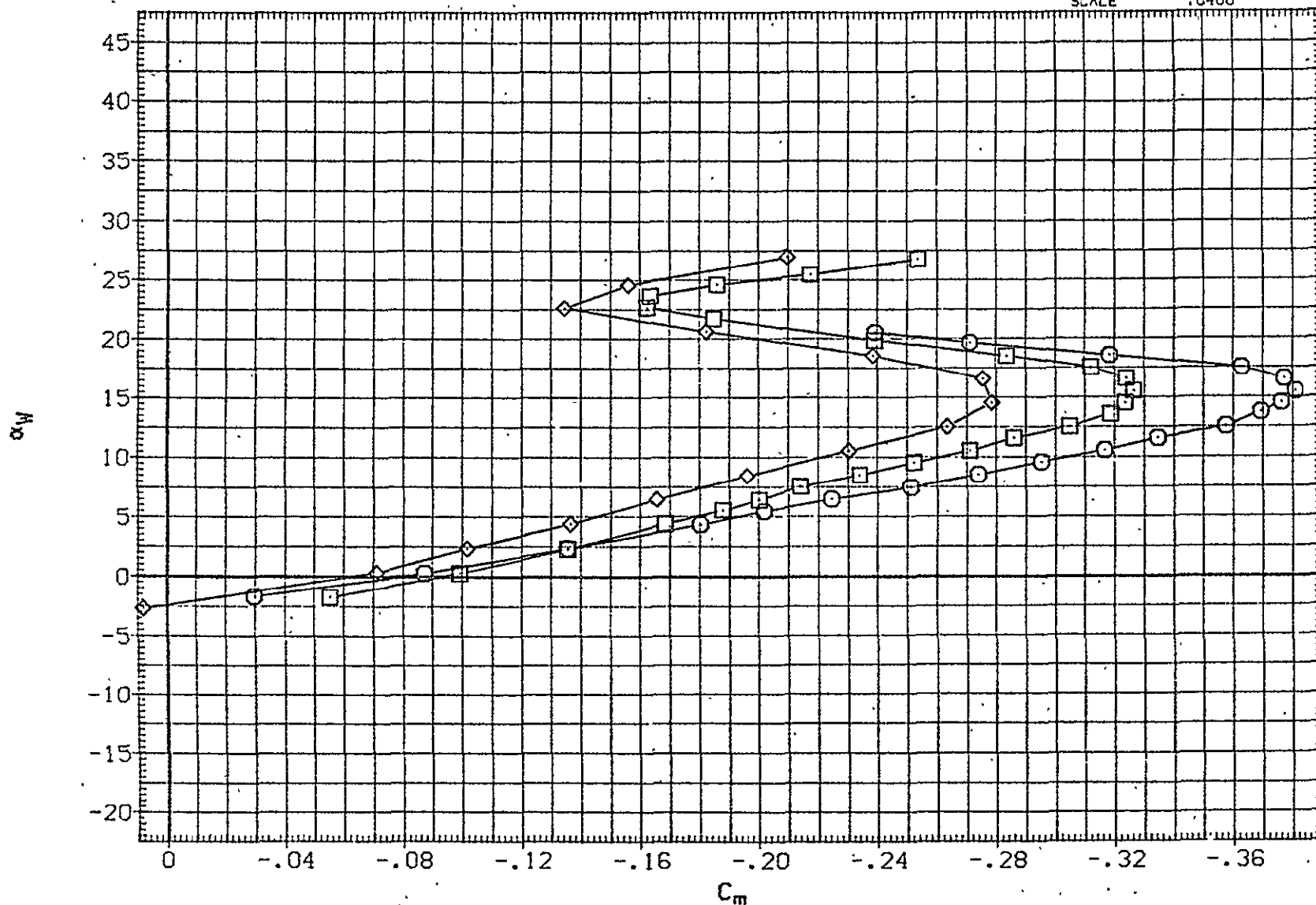


FIG 57 COMPARISON BETWEEN 747 ALONE AND ALT. CONFIG. TC ON, FLAPS 30
MAIN BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RJF031)	○	(CA-8) K1V9.1.2TS2H15.1F30G5.3.5
(RJF054)	□	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401
(RJF060)	◇	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401

ELEVTR	STAB	IORB	ELEVON
.000	-2.000		
.000	-2.000	6.000	-5.000
.000	-2.000	8.000	-5.000

REFERENCE INFORMATION		
SREF	5500.0000	50. FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMRP	1339.9100	IN. XC
YMRP	.0000	IN. YC
ZMRP	190.7500	IN. ZC
SCALE	.0400	

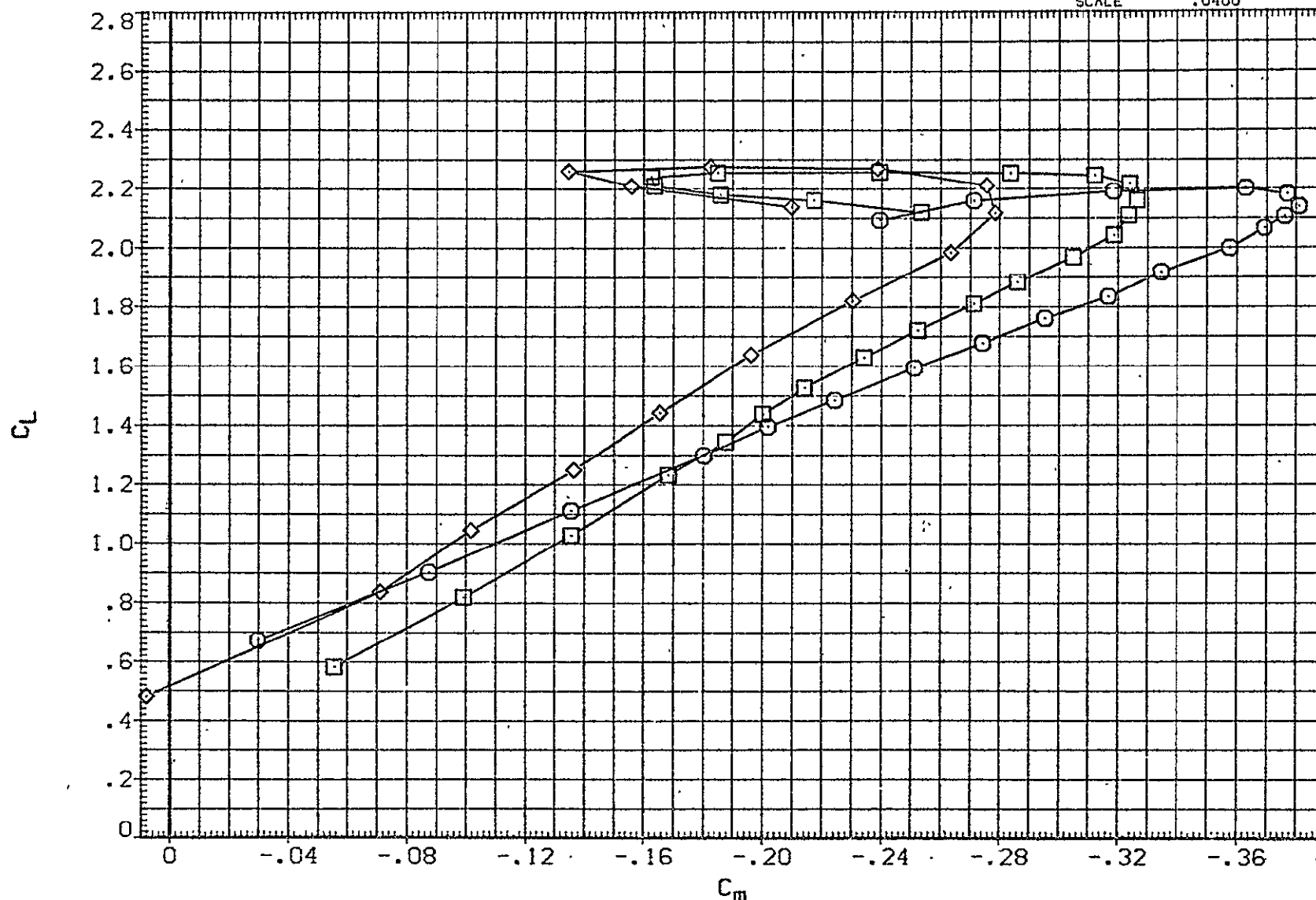


FIG 57 COMPARISON BETWEEN 747 ALONE AND ALT CONFIG. TC ON, FLAPS 30
MAIN BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	IORB	ELEVON	REFERENCE INFORMATION		
(RJF031)	○	(CA-8) K1V9.1.2TS2H15.1F30G5.3.5	.000	-2.000			SREF	5500.0000	50. FT.
(RJF054)	□	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	.000	-2.000	6.000	-5.000	LREF	327.8000	IN.
(RJF060)	◇	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	.000	-2.000	8.000	-5.000	BREF	2348.0000	IN.
							XMRF	1339.9100	IN. XC
							YMRF	.0000	IN. YC
							ZMRF	190.7500	IN. ZC
							SCALE	.0400	

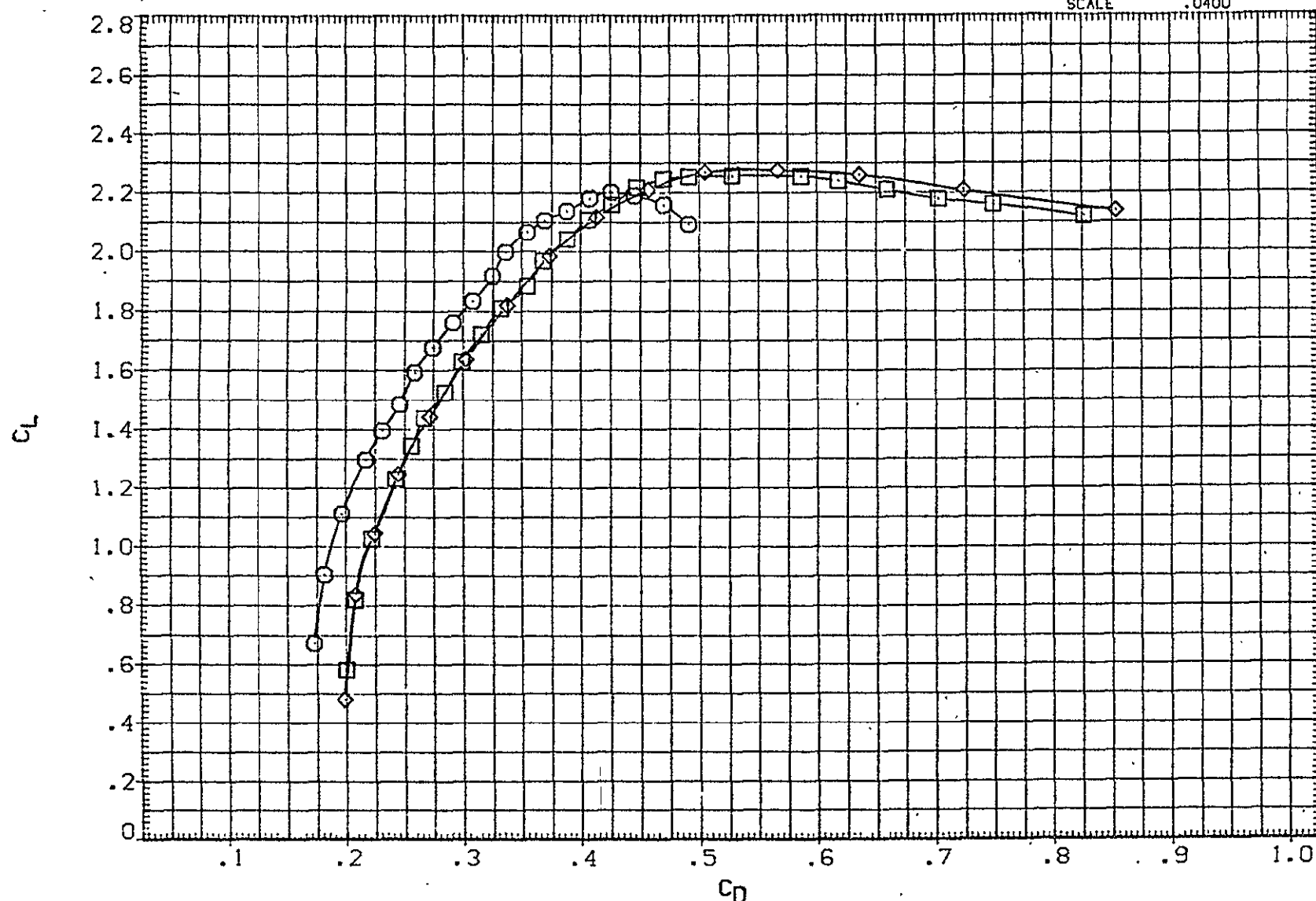


FIG 57 COMPARISON BETWEEN 747 ALONE AND ALT CONFIG. TC ON. FLAPS 30
MAIN BALANCE DATA-ALPHA SWEEPS

(A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RJF083)	○	(CA-8) K3V9.1.2TSSH15.6.1F20TS401
(RJF079)	□	(CA-8) K3V9.1.2TSSH15.6.1F20 TS402

ELEVTR	STAB	IORB	ELEVON
.000	-2.000	6.000	-5.000
.000	-2.000	6.000	-5.000

REFERENCE INFORMATION		
SREF	5500.0000	50. FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMRP	1339.9100	IN. XC
YMRP	.0000	IN. YC
ZMRP	190.7500	IN. ZC
SCALE	.0400	

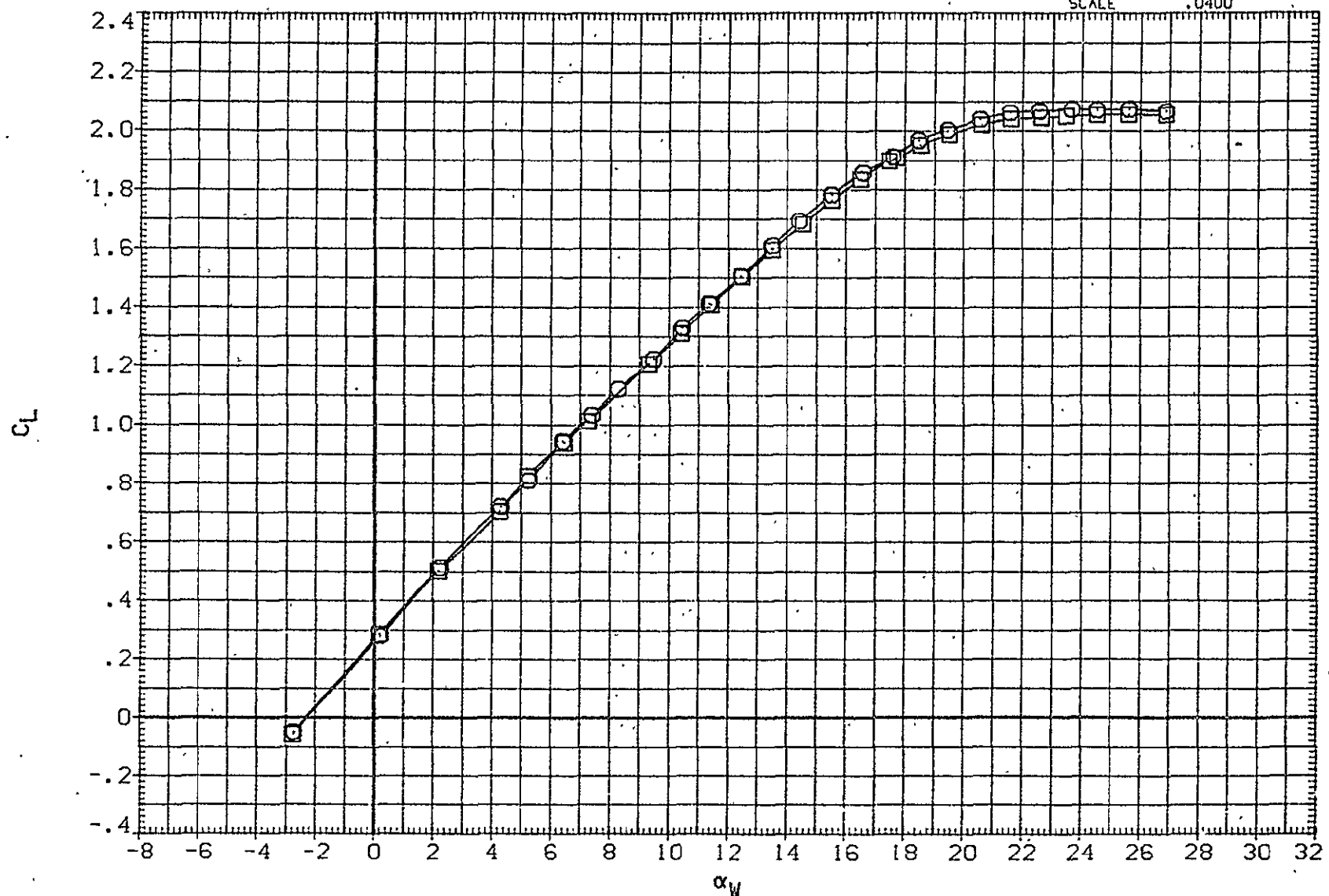


FIG 58 EFFECT OF TAILCONE, ALT CONF, IORB = 6, FLAPS 20
MAIN BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	IORB	ELEVON	REFERENCE INFORMATION		
(RJF083)	○	(CA-8) K3V9.1.2TS5H15.6.1F20TS401	.000	-2.000	6.000	-5.000	SREF	5500.0000	SQ.FT.
(RJF079)	□	(CA-8) K3V9.1.2TS5H15.6.1F20 TS402	.000	-2.000	6.000	-5.000	LREF	327.8000	IN.
							BREF	2348.0000	IN.
							XMRP	1339.9100	IN.XC
							YMRP	.0000	IN.YC
							ZMRP	190.7500	IN.ZC
							SCALE	.0400	

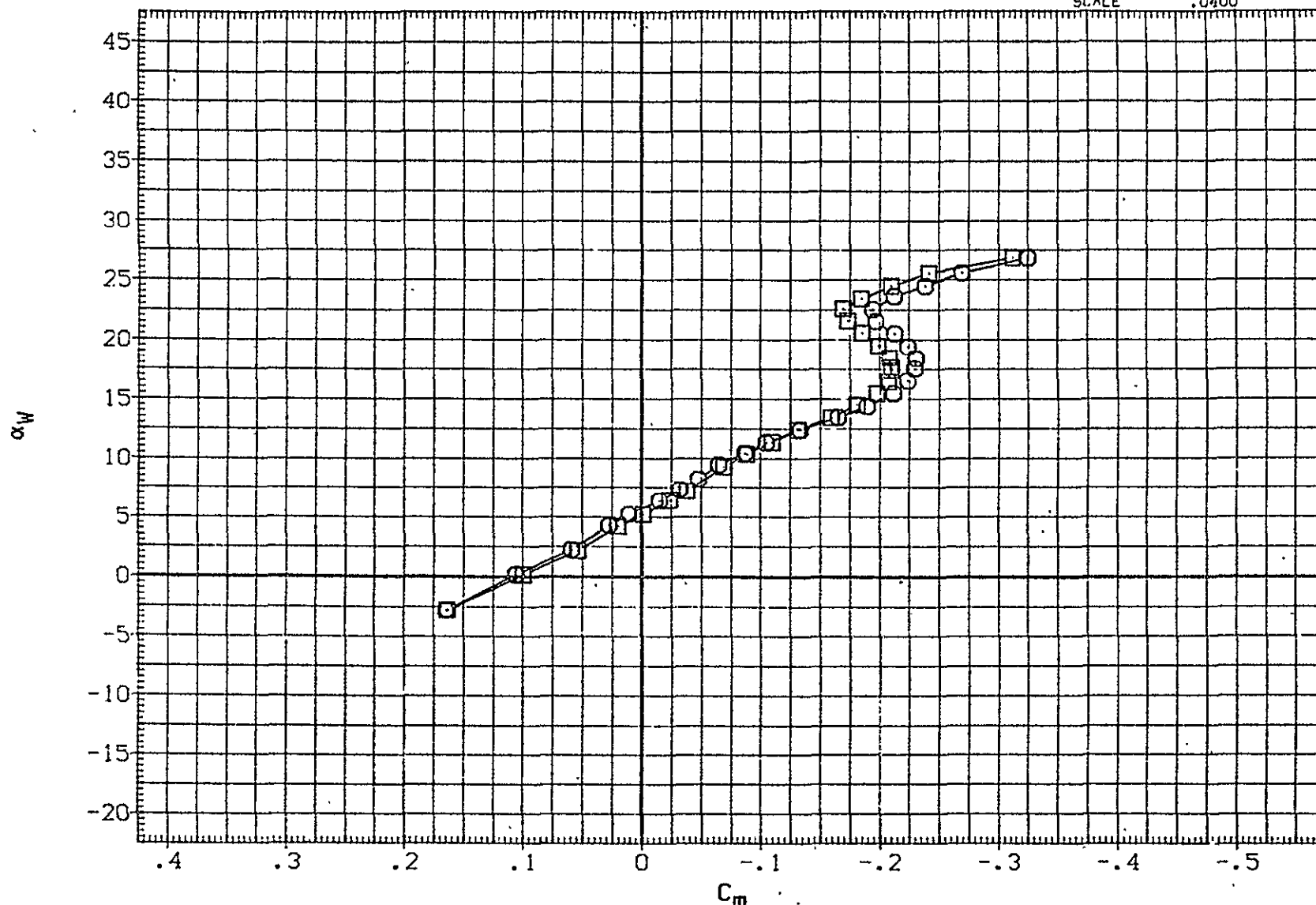


FIG 58 EFFECT OF TAILCONE, ALT CONF, IORB = 6, FLAPS 20
MAIN BALANCE DATA-ALPHA SWEEPS

(A)MACH. = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RJF083)	○	(CA-8) K3V9.1.2TS5H15.6.1F20TS401
(RJF079)	□	(CA-8) K3V9.1.2TS5H15.6.1F20 TS402

ELEVTR	STAB	IORB	ELEVON
.000	-2.000	6.000	-5.000
.000	-2.000	6.000	-5.000

REFERENCE INFORMATION		
SREF	5500.0000	50. FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMRP	1339.9100	IN. XC
YMRP	.0000	IN. YC
ZMRP	190.7500	IN. ZC
SCALE	.0400	

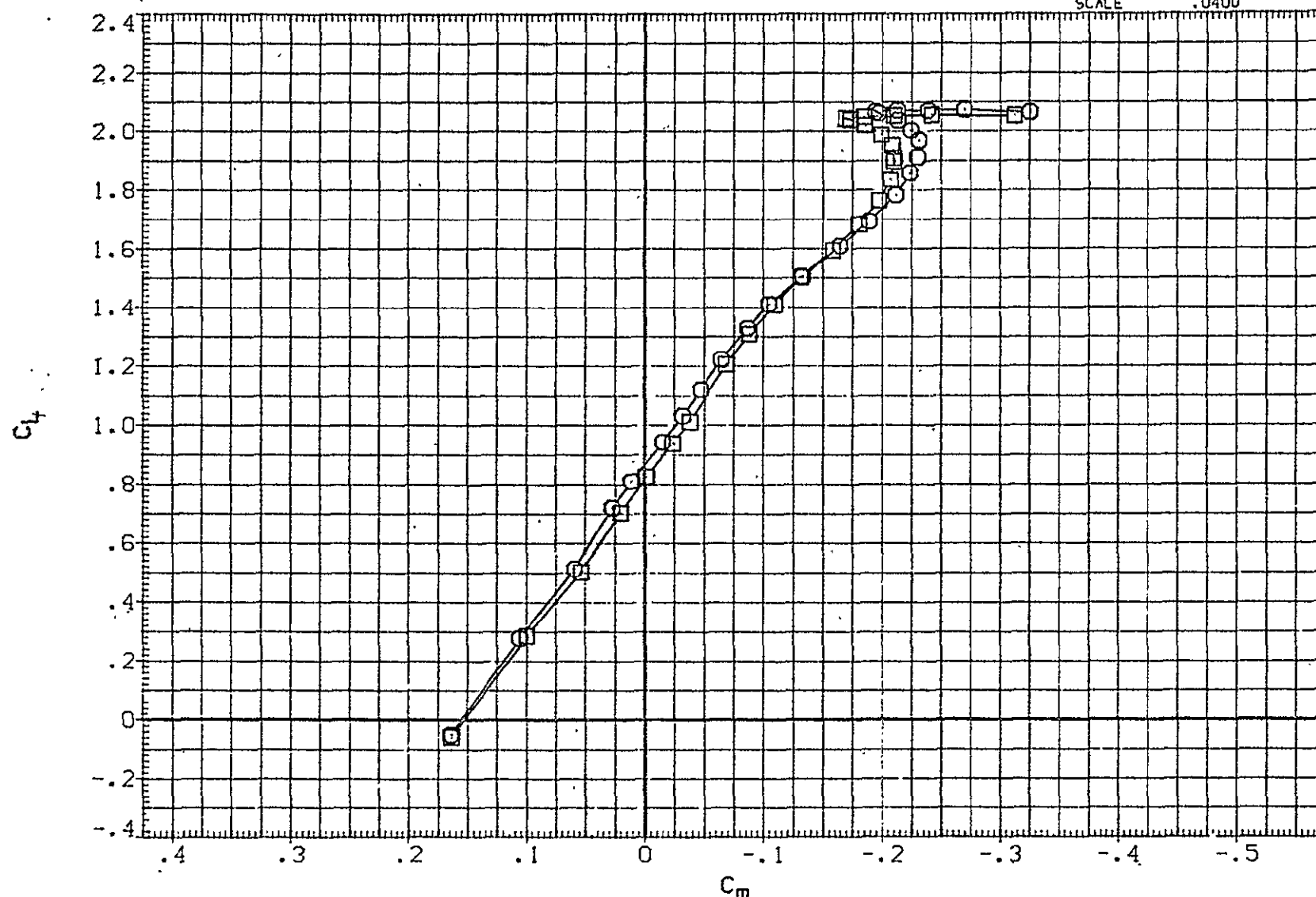


FIG 58 EFFECT OF TAILCONE, ALT CONF, IORB = 6, FLAPS 20
MAIN BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RJF083)	○	(CA-8) K3V9.1.2TSSH15.6.1F20TS401
(RJF079)	□	(CA-8) K3V9.1.2TSSH15.6.1F20 TS402

ELEVTR	STAB	IORB	ELEVON
.000	-2.000	6.000	-5.000
.000	-2.000	6.000	-5.000

REFERENCE INFORMATION		
SREF	5500.0000	50. FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMRP	1339.9100	IN. XC
YMRP	.0000	IN. YC
ZMRP	190.7500	IN. ZC
SCALE	.0400	

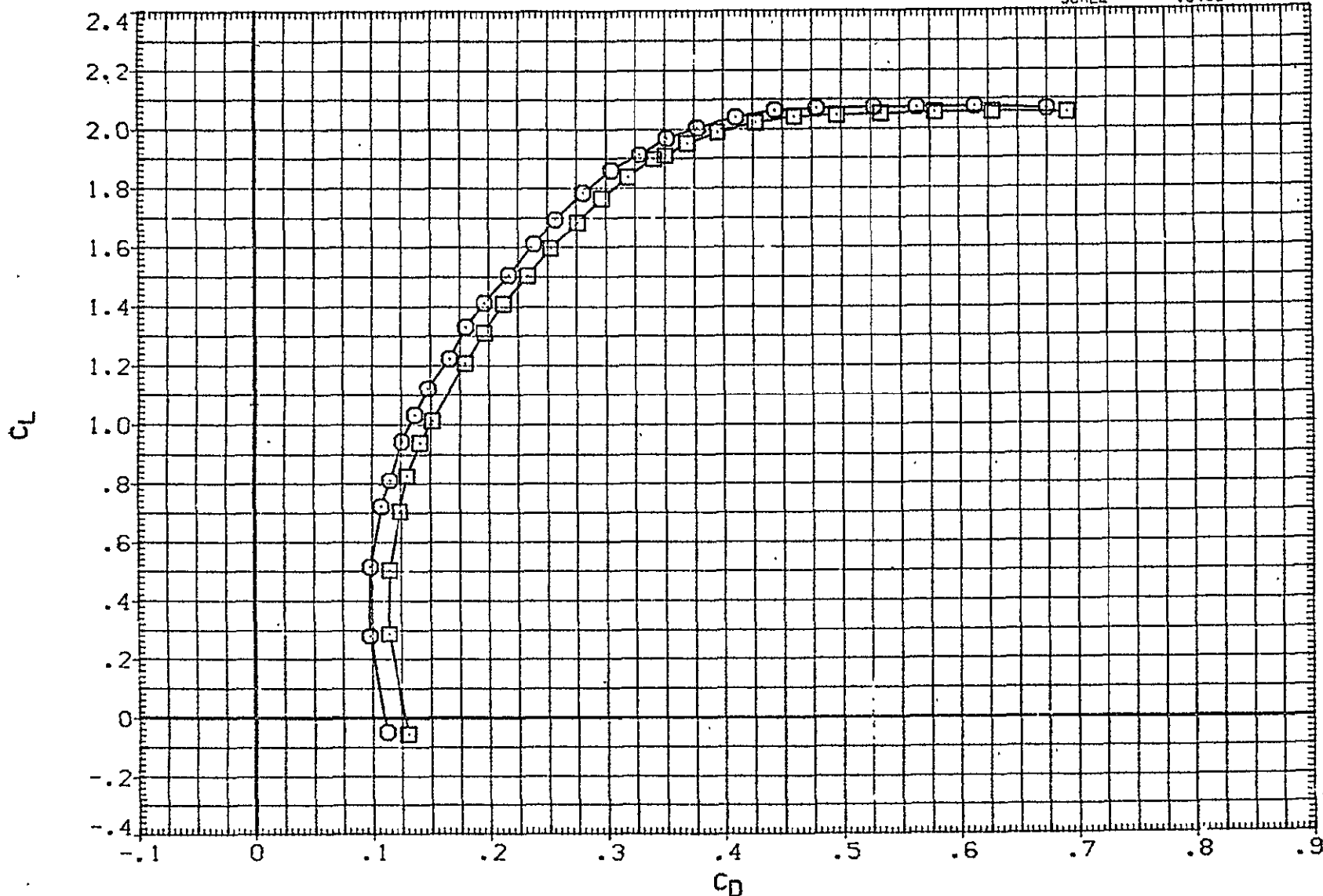


FIG 58 EFFECT OF TAILCONE, ALT CONF, IORB = 6, FLAPS 20
MAIN BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

ATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	FLAP	BETA	REFERENCE INFORMATION		
(JF003)	○	(CA-8) K1V9.1.2TS2H15.1F10	.000	-2.000	10.000	.000	SREF	5500.0000	50. FT.
(JF004)	□	(CA-8) K1V9.1.2TS2H15.1F10	.000	-2.000	10.000	.000	LREF	327.8000	IN.
(JF017)	◇	(CA-8) K1V9.1.2TS2H15.1F20	.000	-2.000	20.000	.000	BREF	2348.0000	IN.
(JF031)	△	(CA-8) K1V9.1.2TS2H15.1F30G5.3.5	.000	-2.000	30.000	.000	XMRP	1339.9100	IN. XC
							YMRP	.0000	IN. YC
							ZMRP	190.7500	IN. ZC
							SCALE	.0400	

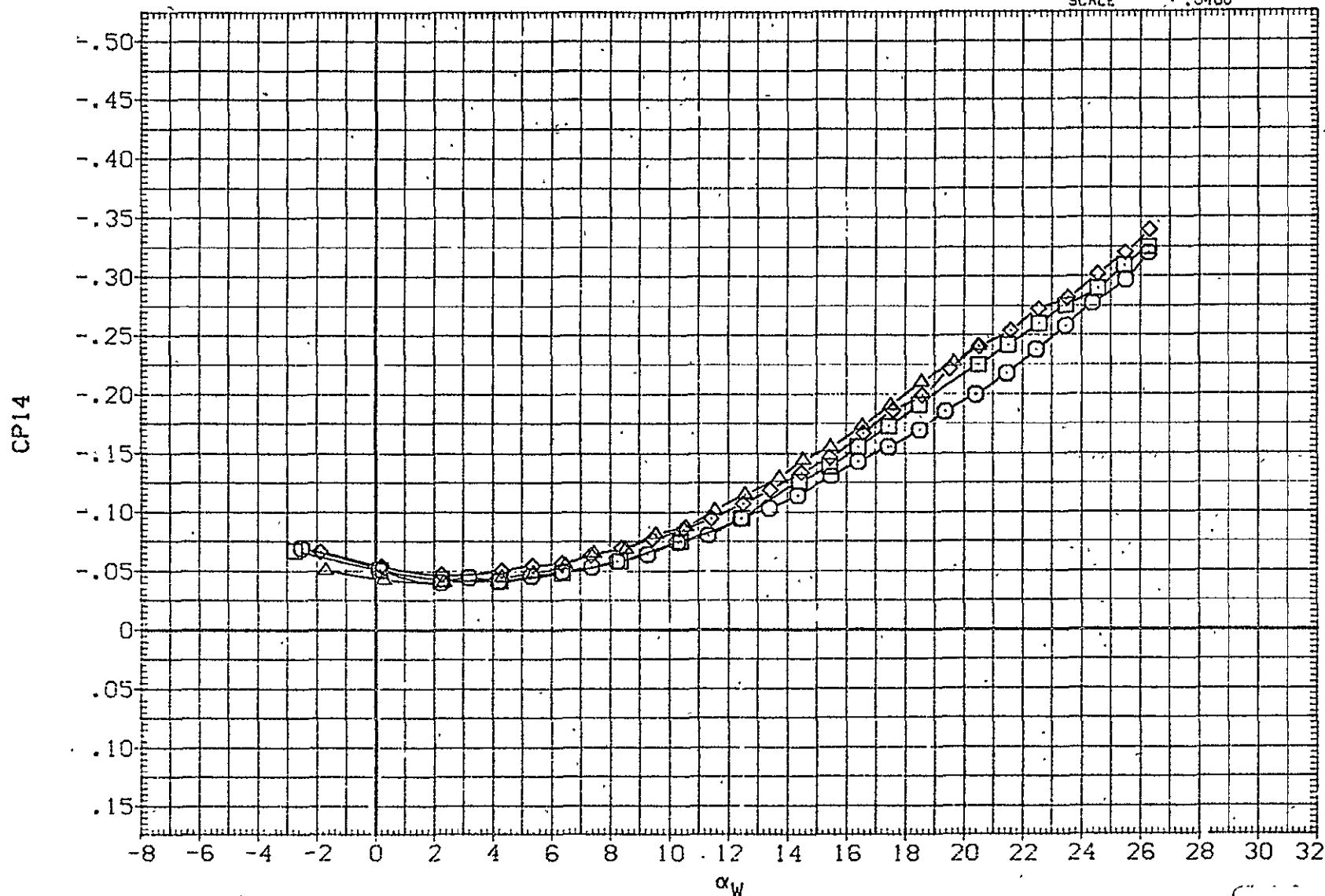


FIG 59 EFFECT OF FLAP SETTING ON AIRSPEED AND ALTITUDE INDICATORS, BASIC 747 NOSE STATIC PRESSURES

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(XJF003)	○	(CA-8) K1V9.1.2TS2H15.1F10
(XJF004)	□	(CA-8) K1V9.1.2TS2H15.1F10
(XJF017)	◇	(CA-8) K1V9.1.2TS2H15.1F20
(XJF031)	△	(CA-8) K1V9.1.2TS2H15.1F30G5.3.5

ELEVTR	STAB	FLAP	BFTA	REFERENCE INFORMATION		
.000	-2.000	10.000	.000	SREF	5500.0000	50.FT.
.000	-2.000	10.000	.000	LREF	327.8000	IN.
.000	-2.000	20.000	.000	BREF	2348.0000	IN.
.000	-2.000	30.000	.000	XMPP	1339.9100	IN.XC
				YMPP	.0000	IN.YC
				ZMPP	190.7500	IN.ZC
				SCALE	.0400	

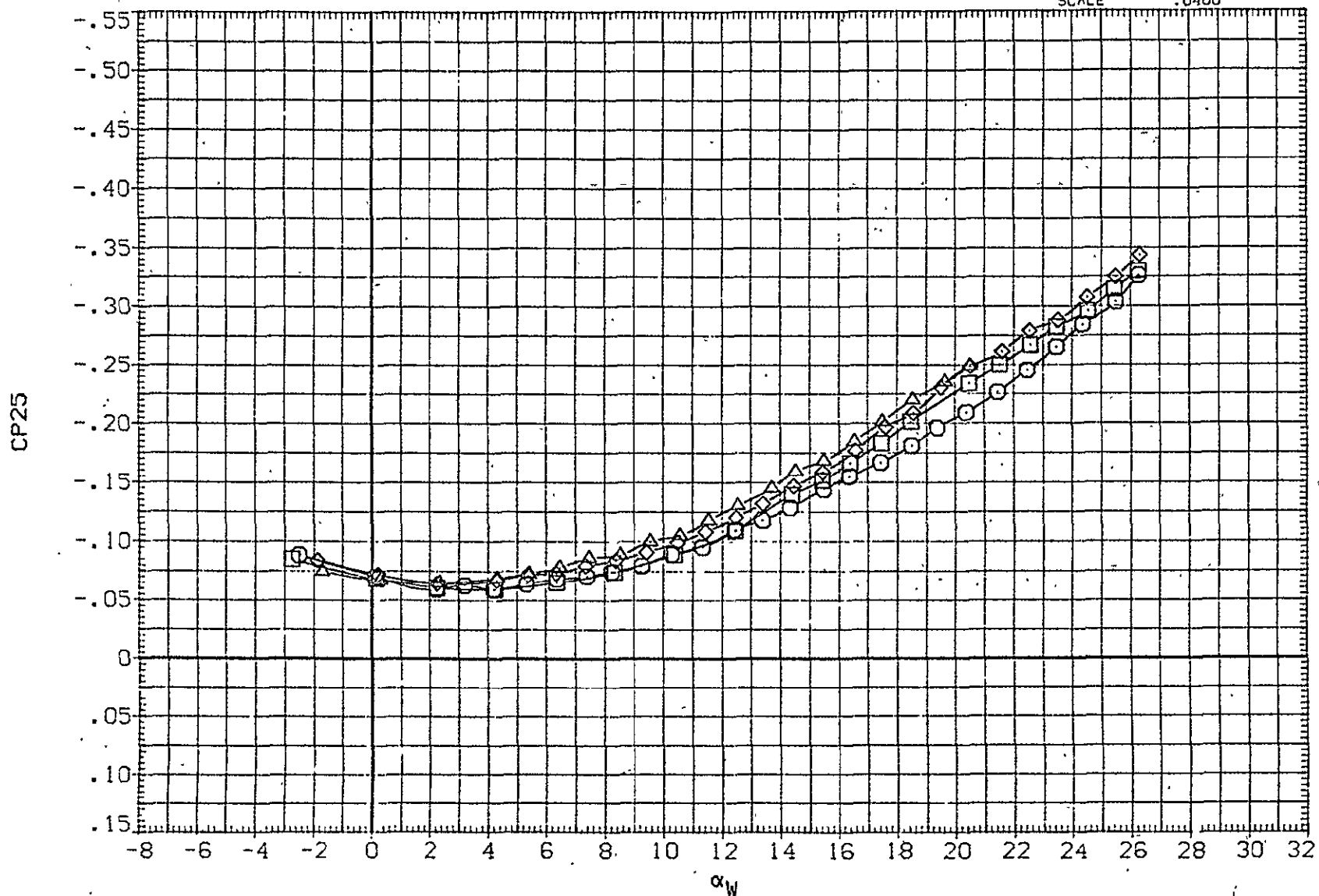


FIG 59 EFFECT OF FLAP SETTING ON AIRSPEED AND ALTITUDE INDICATORS, BASIC
747 NOSE STATIC PRESSURES

(A)MACH = .15

ATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	FLAP	BETA	REFERENCE INFORMATION		
XJF003)	○	(CA-8) K1V9.1.2TS2H15.1F10	.000	-2.000	10.000	.000	SREF	5500.0000	SQ.FT.
XJF004)	□	(CA-8) K1V9.1.2TS2H15.1F10	.000	-2.000	10.000	.000	LREF	327.8000	IN.
XJF017)	◇	(CA-8) K1V9.1.2TS2H15.1F20	.000	-2.000	20.000	.000	BREF	2348.0000	IN.
XJF031)	△	(CA-8) K1V9.1.2TS2H15.1F3065.3.5	.000	-2.000	30.000	.000	XMRP	1339.9100	IN.XC
							YMRP	.0000	IN.YC
							ZMRP	190.7500	IN.ZC
							SCALE	.0400	

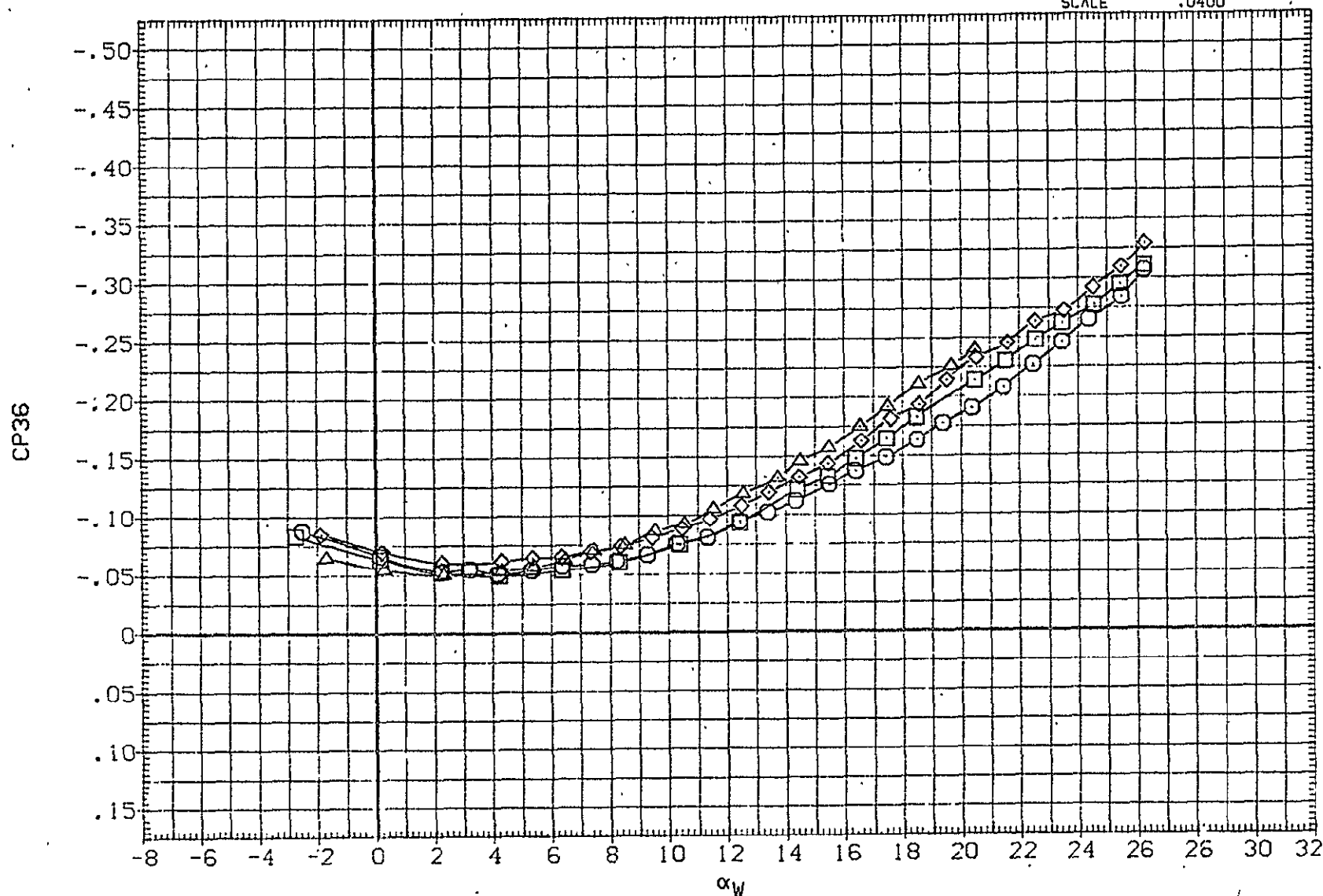


FIG 59 EFFECT OF FLAP SETTING ON AIRSPEED AND ALTITUDE INDICATORS, BASIC 747 NOSE STATIC PRESSURES

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	FLAP	BETA	REFERENCE INFORMATION		
(XJF124)	○	(CA-8) K2V9.1.2TS6H15.6.1F0TS401	.000	-2.000	.000	.000	SREF	5500.0000	50.FT.
(XJF119)	□	(CA-8) K2V9.1.2TS5H15.6.1F10TS401	.000	-2.000	10.000	.000	LREF	327.8000	IN.
(XJF094)	◇	(CA-8) K2V9.1.2TS5H15.6.1F20TS401	.000	-2.000	20.000	.000	BREF	2348.0000	IN.
(XJF038)	△	(CA-8) K2V9.1.2TS5F30H15.6.1G5.3.5TS401	.000	-2.000	30.000	.000	XMRP	1339.9100	IN.XC
							YMRP	.0000	IN.YC
							ZMRP	190.7500	IN.ZC
							SCALE	.0400	

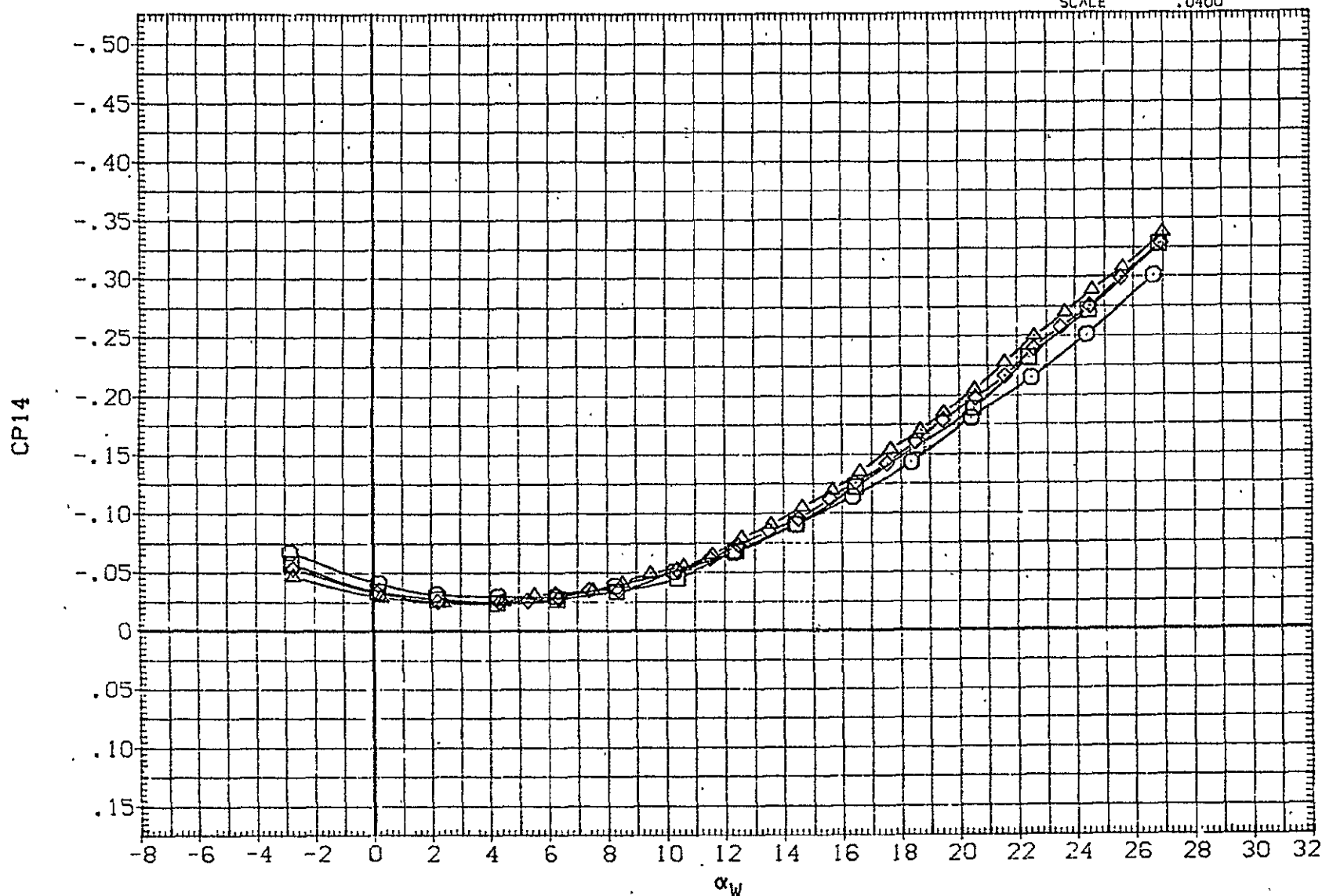


FIG 60 EFFECT OF FLAP SETTING ON AIRSPEED AND ALTITUDE INDICATORS, FERRY CONF 747 NOSE STATIC PRESSURES

(A)MACH = .15

TA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	FLAP	BETA	REFERENCE INFORMATION	
JF124)	○	(CA-8) K2V9.1.2TS6H15.6.1FOTS401	.000	-2.000	.000	.000	SREF	5500.0000 SQ.FT.
JF119)	□	(CA-8) K2V9.1.2TS5H15.6.1F10TS401	.000	-2.000	10.000	.000	LREF	327.8000 IN.
JF094)	◇	(CA-8) K2V9.1.2TS5H15.6.1F20TS401	.000	-2.000	20.000	.000	BREF	2348.0000 IN.
JF038)	△	(CA-8) K2V9.1.2TS5F30H15.6.1G5.3.5TS401	.000	-2.000	30.000	.000	XMRP	1339.9100 IN.XC
							YMRP	.0000 IN.YC
							ZMRP	190.7500 IN.ZC
							SCALE	.0400

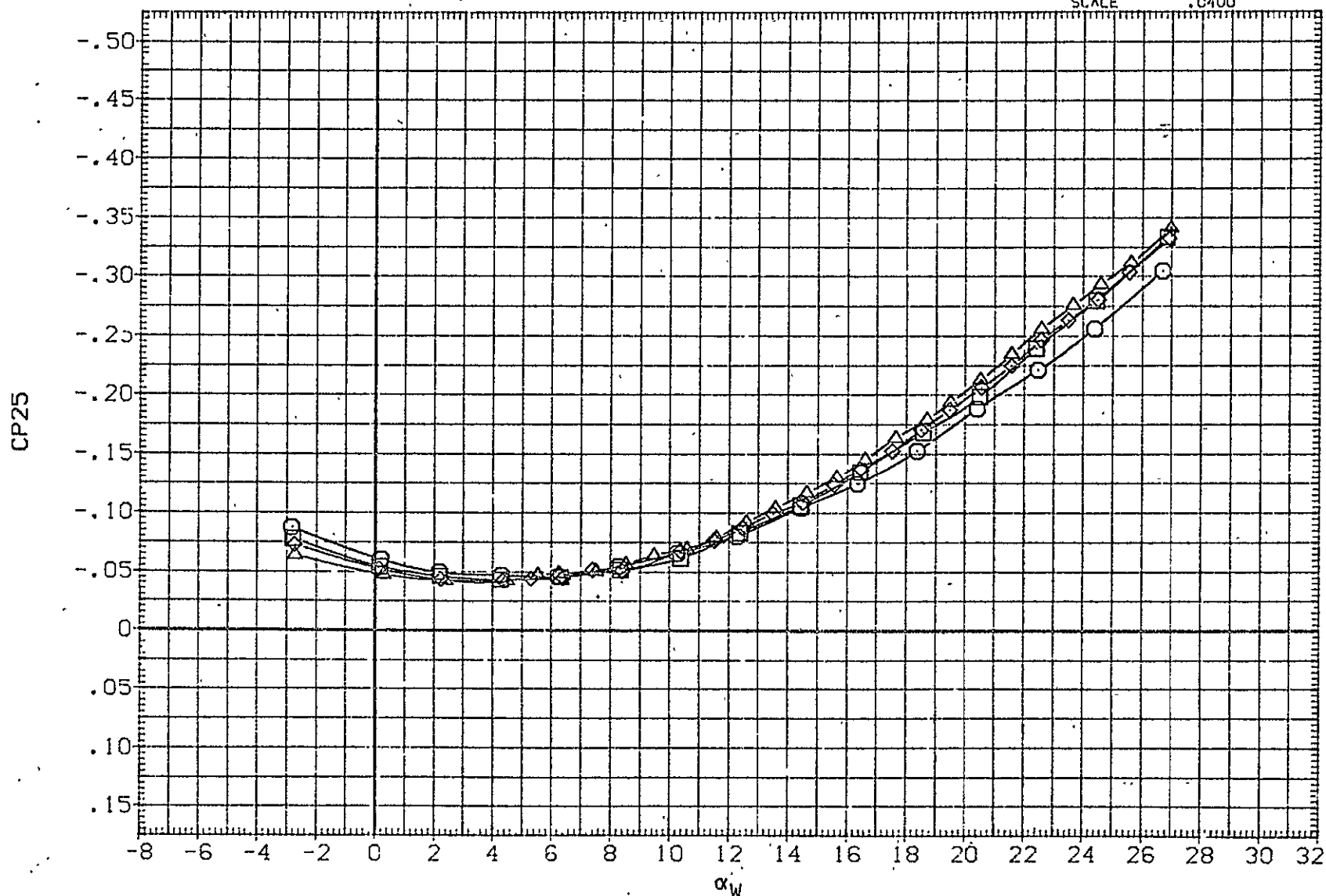


FIG 60 EFFECT OF FLAP SETTING ON AIRSPEED AND ALTITUDE INDICATORS, FERRY CONF 747 NOSE STATIC PRESSURES

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	FLAP	BETA	REFERENCE INFORMATION		
(XJF124)	○	(CA-8) K2V9.1.2TS6H15.6.1FOTS401	.000	-2.000	.000	.000	SREF	5500.0000	SQ.FT.
(XJF119)	□	(CA-8) K2V9.1.2TS5H15.6.1F10TS401	.000	-2.000	10.000	.000	LREF	327.8000	IN.
(XJF094)	◇	(CA-8) K2V9.1.2TS5H15.6.1F20TS401	.000	-2.000	20.000	.000	BREF	2348.0000	IN.
(XJF038)	△	(CA-8) K2V9.1.2TS5F30H15.6.1G5.3.5TS401	.000	-2.000	30.000	.000	XMRP	1339.9100	IN.XC
							YMRP	.0000	IN.YC
							ZMRP	190.7500	IN.ZC
							SCALE	.0400	

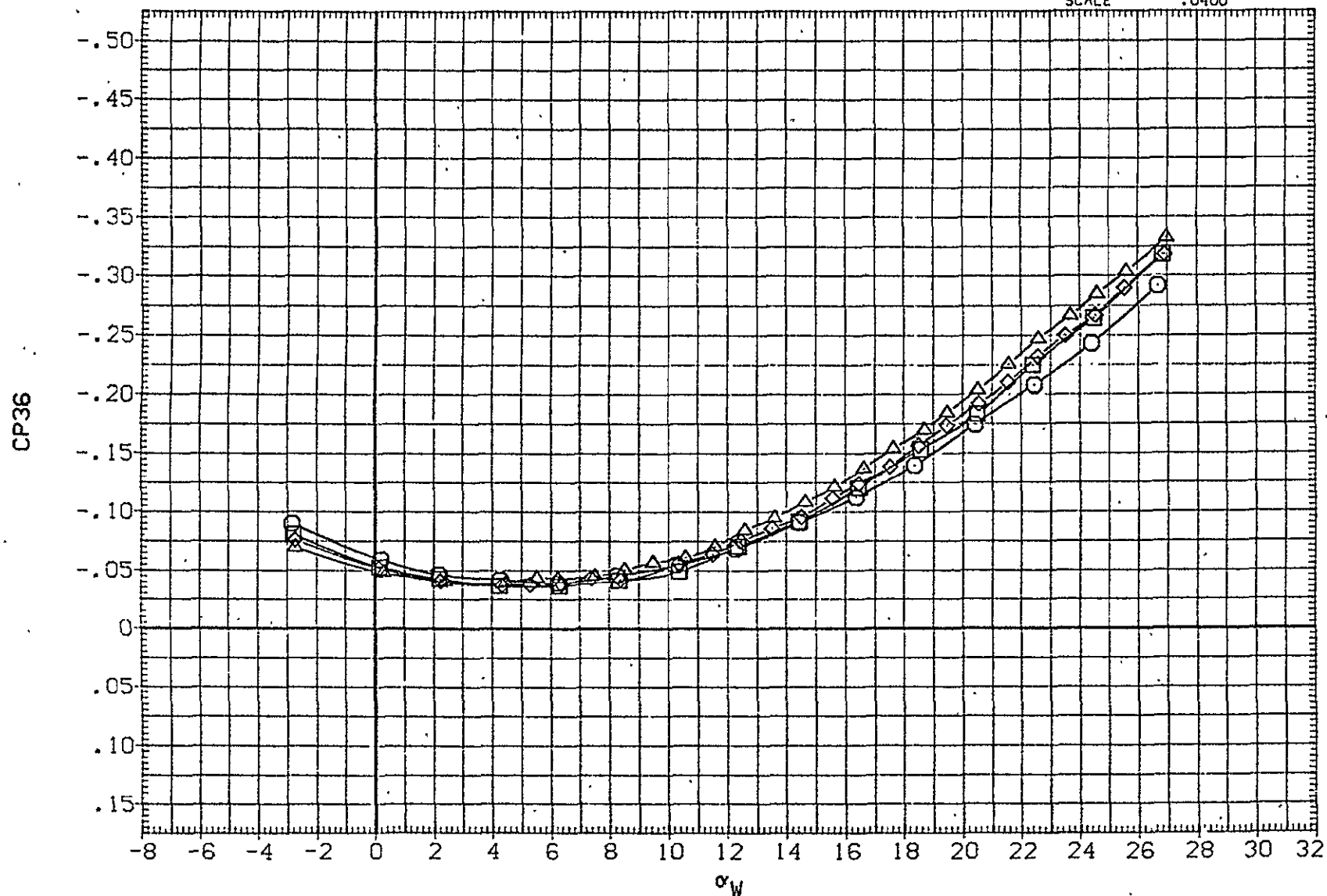


FIG 60 EFFECT OF FLAP SETTING ON AIRSPEED AND ALTITUDE INDICATORS, FERRY CONF 747 NOSE STATIC PRESSURES

(A) MACH = .15

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DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	FLAP	BETA	REFERENCE INFORMATION		
(XJF127)	○	(CA-8) K3V9.1.2TS6H15.6.1FOTS401	.000	-2.000	.000	.000	SREF	5500.0000	SQ.FT.
(XJF083)	□	(CA-8) K3V9.1.2TS5H15.6.1F20TS401	.000	-2.000	10.000	.000	LREF	327.8000	IN.
(XJF054)	◇	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	.000	-2.000	30.000	.000	BREF	2348.0000	IN.
							XMRP	1339.9100	IN.XC
							YMRP	.0000	IN.YC
							ZMRP	190.7500	IN.ZC
							SCALE	.0400	

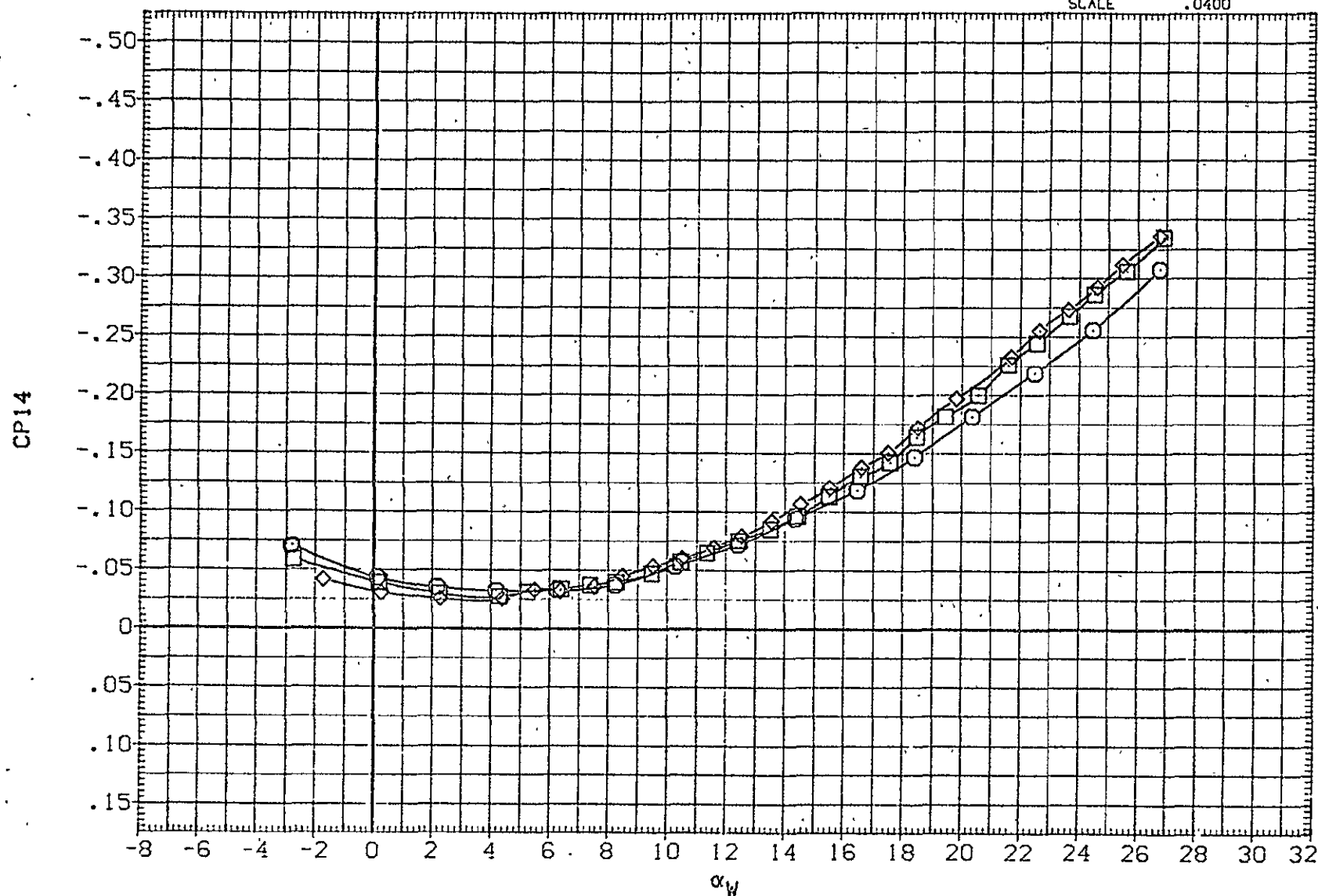


FIG 61 EFFECT OF FLAP SETTING ON AIRSPEED AND ALTITUDE IND, ALT. TC ON. IORB=6
747 NOSE STATIC PRESSURES

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	FLAP	BETA	REFERENCE INFORMATION		
(XJF127)	○	(CA-8) K3V9.1.2TS6H15.6.1F0TS401	.000	-2.000	.000	.000	SREF	5500.0000	SQ.FT.
(XJF083)	□	(CA-8) K3V9.1.2TS5H15.6.1F20TS401	.000	-2.000	10.000	.000	LREF	327.8000	IN.
(XJF054)	◇	(CA-8) K3V9.1.2TS5H15.6.1F30GS.3.5TS401	.000	-2.000	30.000	.000	BREF	2348.0000	IN.
							XMRP	1339.9100	IN.XC
							YMRP	.0000	IN.YC
							ZMRP	190.7500	IN.ZC
							SCALE	.0400	

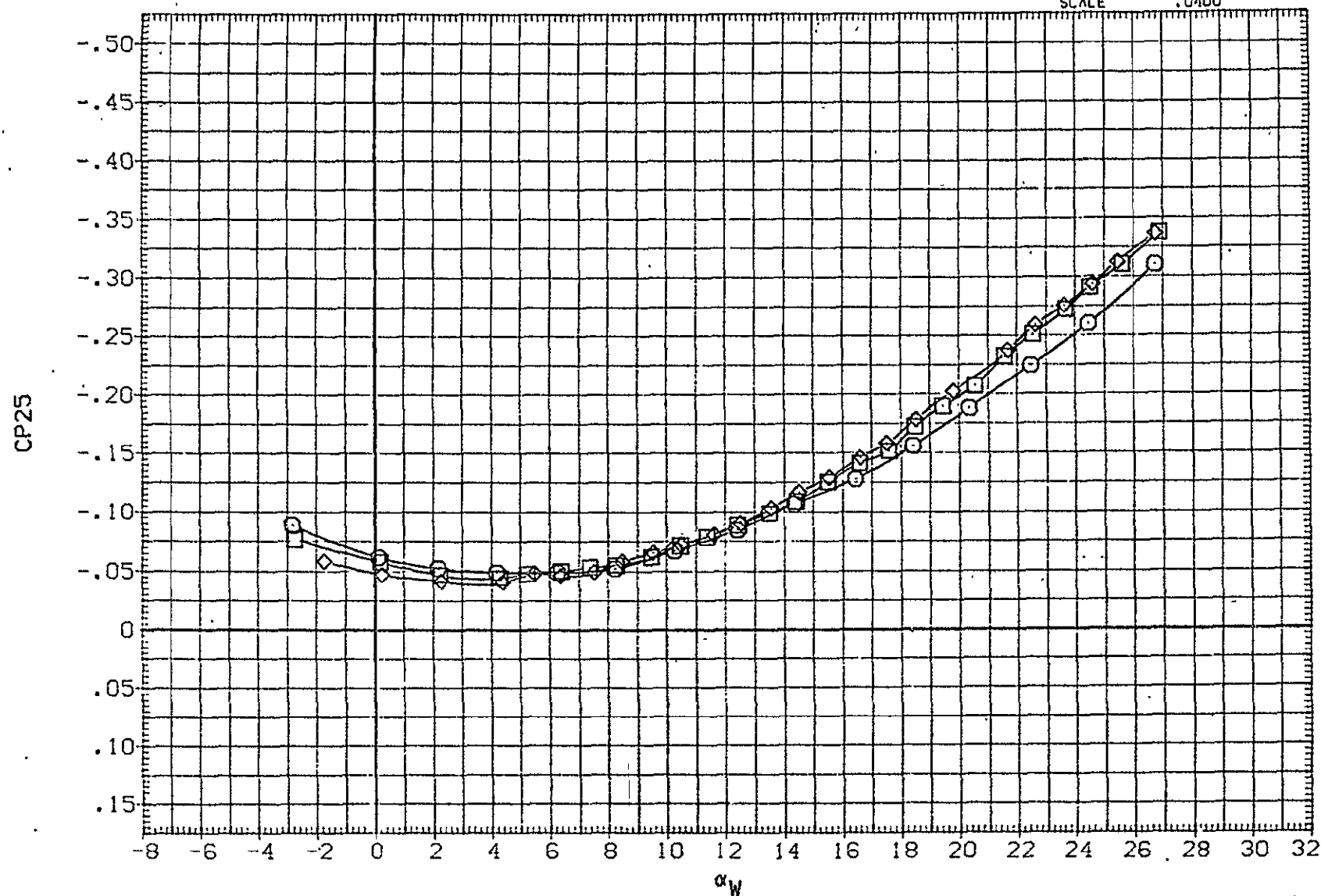


FIG 61 EFFECT OF FLAP SETTING ON AIRSPEED AND ALTITUDE IND. ALT. TC ON. IORB=6
747 NOSE STATIC PRESSURES

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	FLAP	BETA	REFERENCE INFORMATION	
(XJF127)	○	(CA-8) K3V9.1.2TS6H15.6.1F0TS401	.000	-2.000	.000	.000	SREF	5500.0000 SQ.FT.
(XJF083)	□	(CA-8) K3V9.1.2TS5H15.6.1F20TS401	.000	-2.000	10.000	.000	LREF	327.8000 IN.
(XJF054)	◇	(CA-8) K3V9.1.2TS5H15.6.1F30GS.3.5TS401	.000	-2.000	30.000	.000	BREF	2348.0000 IN.
							XMRP	1339.9100 IN.XC
							YMRP	.0000 IN.YC
							ZMRP	190.7500 IN.ZC
							SCALE	.0400

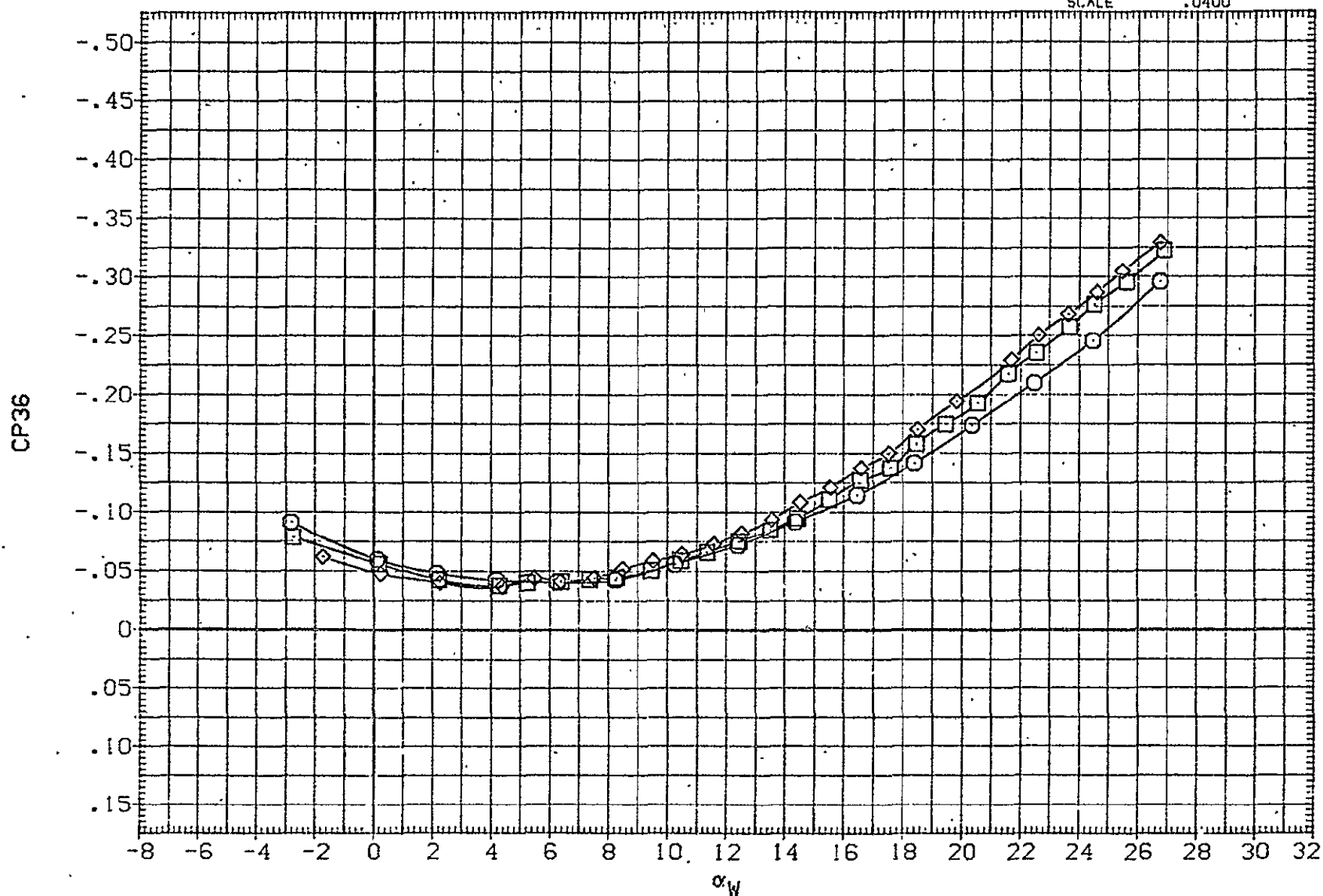


FIG 61 EFFECT OF FLAP SETTING ON AIRSPEED AND ALTITUDE IND, ALT, TC ON, 10RB=6
747 NOSE STATIC PRESSURES

(A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	FLAP	BETA	REFERENCE INFORMATION		
(XJF106)	○	(CA-8) K3V9.1.2TS5H15.6.1F10TS402	.000	-2.000	10.000	.000	SREF	5500.0000	50.FT.
(XJF079)	□	(CA-8) K3V9.1.2TS5H15.6.1F20 TS402	.000	-2.000	20.000	.000	LREF	327.8000	IN.
(XJF067)	◇	(CA-8) K3V9.1.2TS5H15.6.1F3065.3.5TS402	.000	-2.000	30.000	.000	BREF	2348.0000	IN.
							XMRP	1339.9100	IN.XC
							YMRP	.0000	IN.YC
							ZMRP	190.7500	IN.ZC
							SCALE	.0400	

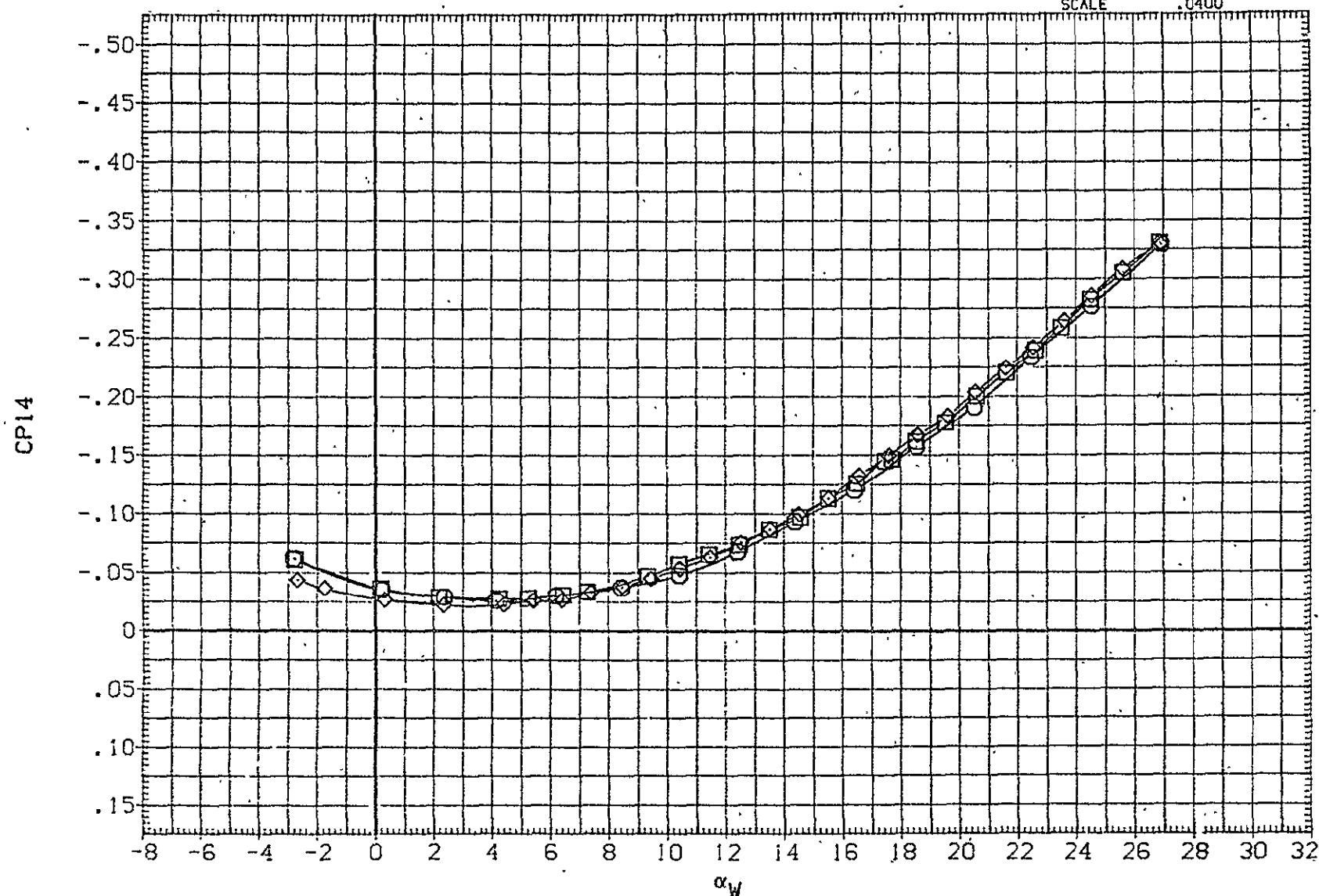


FIG 62 EFFECT OF FLAP SETTING ON AIRSPEED AND ALTITUDE IND. ALT.TC OFF.IORB=6
747 NOSE STATIC PRESSURES

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAS	FLAP	BETA	REFERENCE INFORMATION		
(XJF106)	○	(CA-8) K3V9.1.2TS5H15.6.1F1OTS402	.000	-2.000	10.000	.000	SREF	5500.0000	SQ.FT.
(XJF079)	□	(CA-8) K3V9.1.2TS5H15.6.1F20 TS402	.000	-2.000	20.000	.000	LREF	327.8000	IN.
(XJF067)	◇	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402	.000	-2.000	30.000	.000	BREF	2348.0000	IN.
							XMRP	1339.9100	IN.XC
							YMRP	.0000	IN.YC
							ZMRP	190.7500	IN.ZC
							SCALE	.0400	

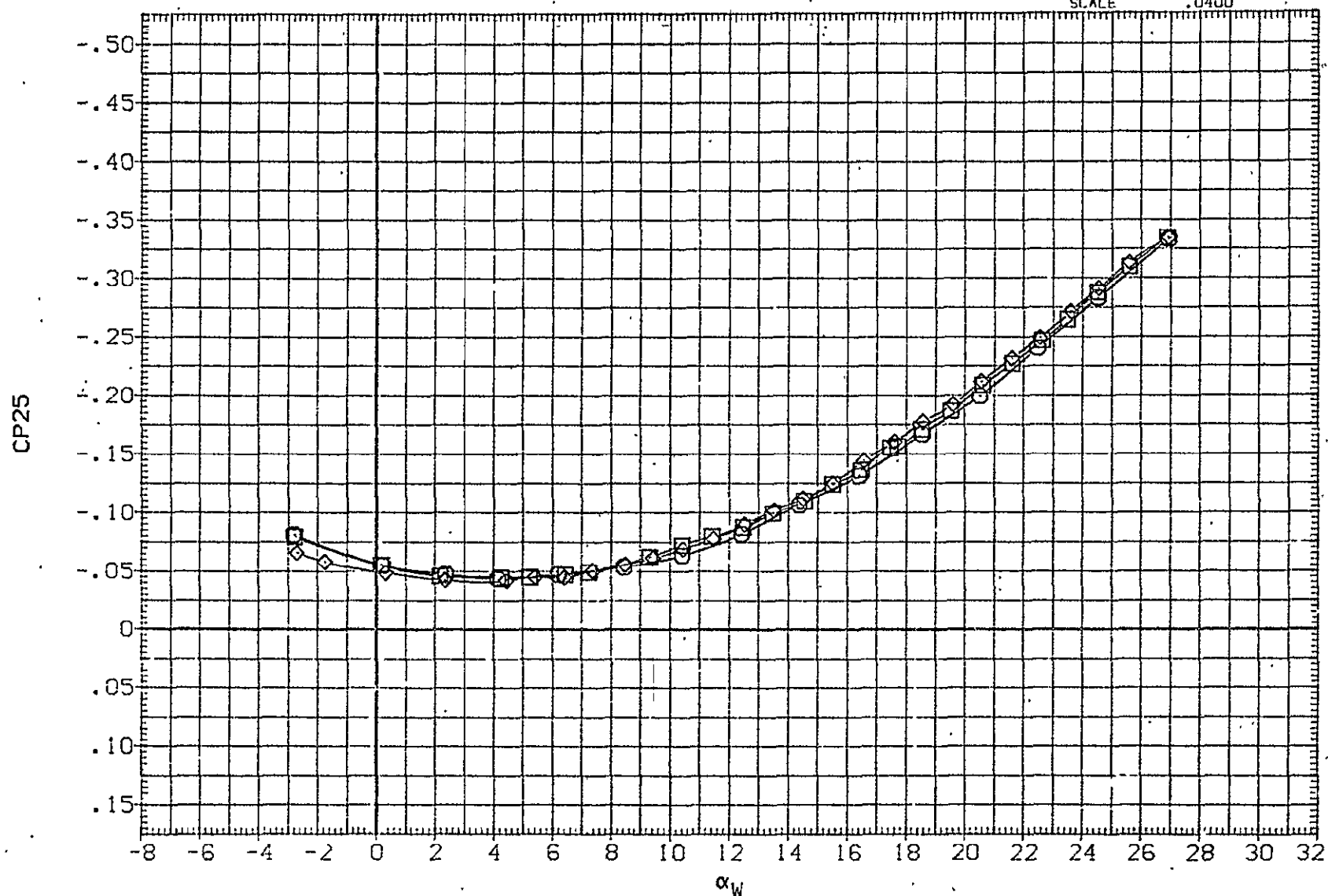


FIG 62 EFFECT OF FLAP SETTING ON AIRSPEED AND ALTITUDE IND. ALT.TC OFF.IORB=6
747 NOSE STATIC PRESSURES

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	FLAP	BETA	REFERENCE INFORMATION		
(XJF106)	○	(CA-8) K3V9.1.2TS5H15.6.1F10TS402	.000	-2.000	10.000	.000	SREF	5500.0000	SQ.FT.
(XJF079)	□	(CA-8) K3V9.1.2TS5H15.6.1F20 TS402	.000	-2.000	20.000	.000	LREF	327.8000	IN.
(XJF067)	◇	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402	.000	-2.000	30.000	.000	BREF	2348.0000	IN.
							XMRP	1339.9100	IN.XC
							YMRP	.0000	IN.YC
							ZMRP	190.7500	IN.ZC
							SCALE	.0400	

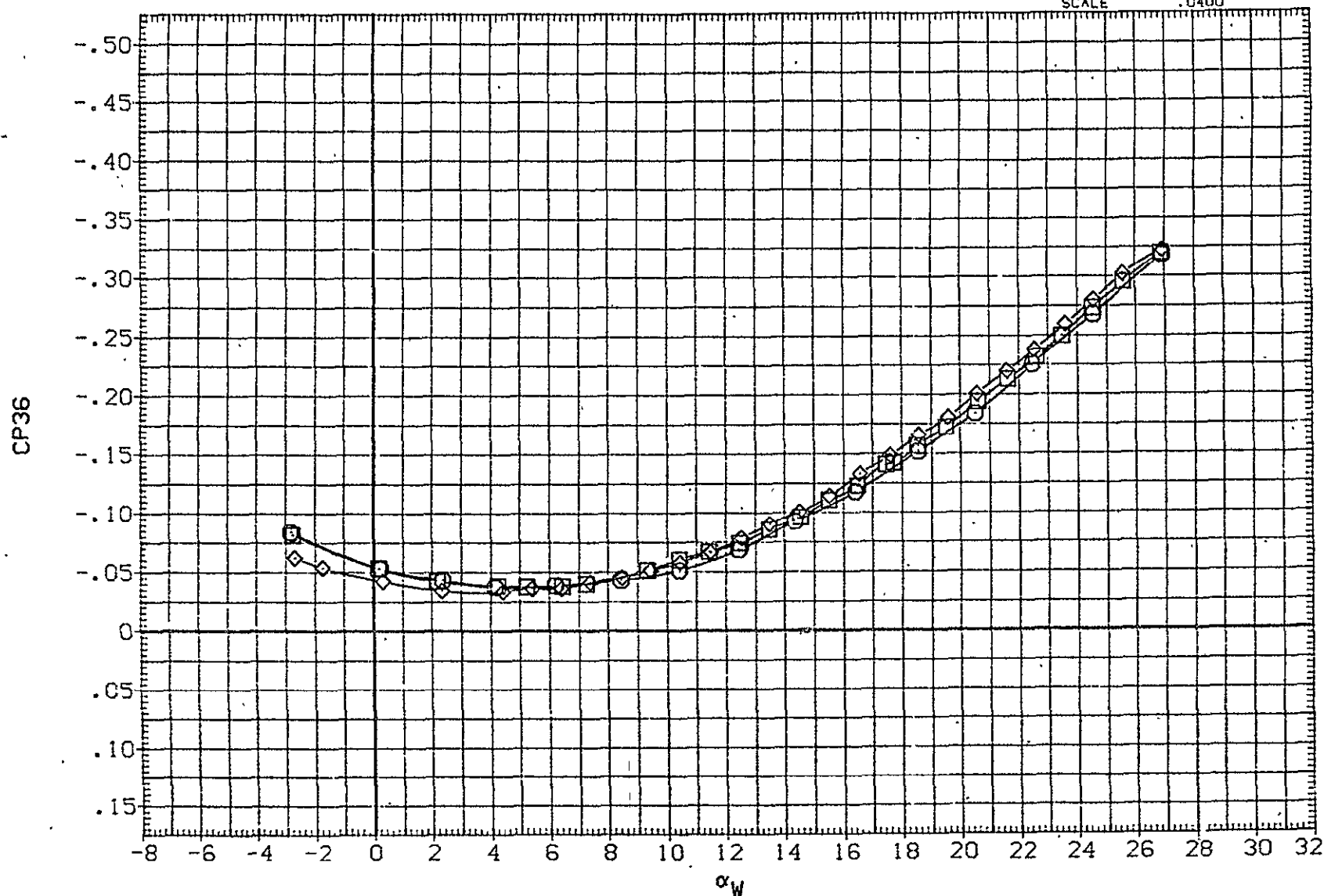


FIG 62 EFFECT OF FLAP SETTING ON AIRSPEED AND ALTITUDE IND. ALT.TC OFF, IORB=6
747 NOSE STATIC PRESSURES

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
XJF091)	○	(CA-8) K3V9.1.2TS5H15.6.1F20TS401
XJF060)	□	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401

ELEVTR	STAB	FLAP	BETA
.000	-2.000	20.000	.000
.000	-2.000	30.000	.000

REFERENCE INFORMATION		
SREF	5500.0000	50. FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMRP	1339.9100	IN. XC
YMRP	.0000	IN. YC
ZMRP	190.7500	IN. ZC
SCALE	.0400	

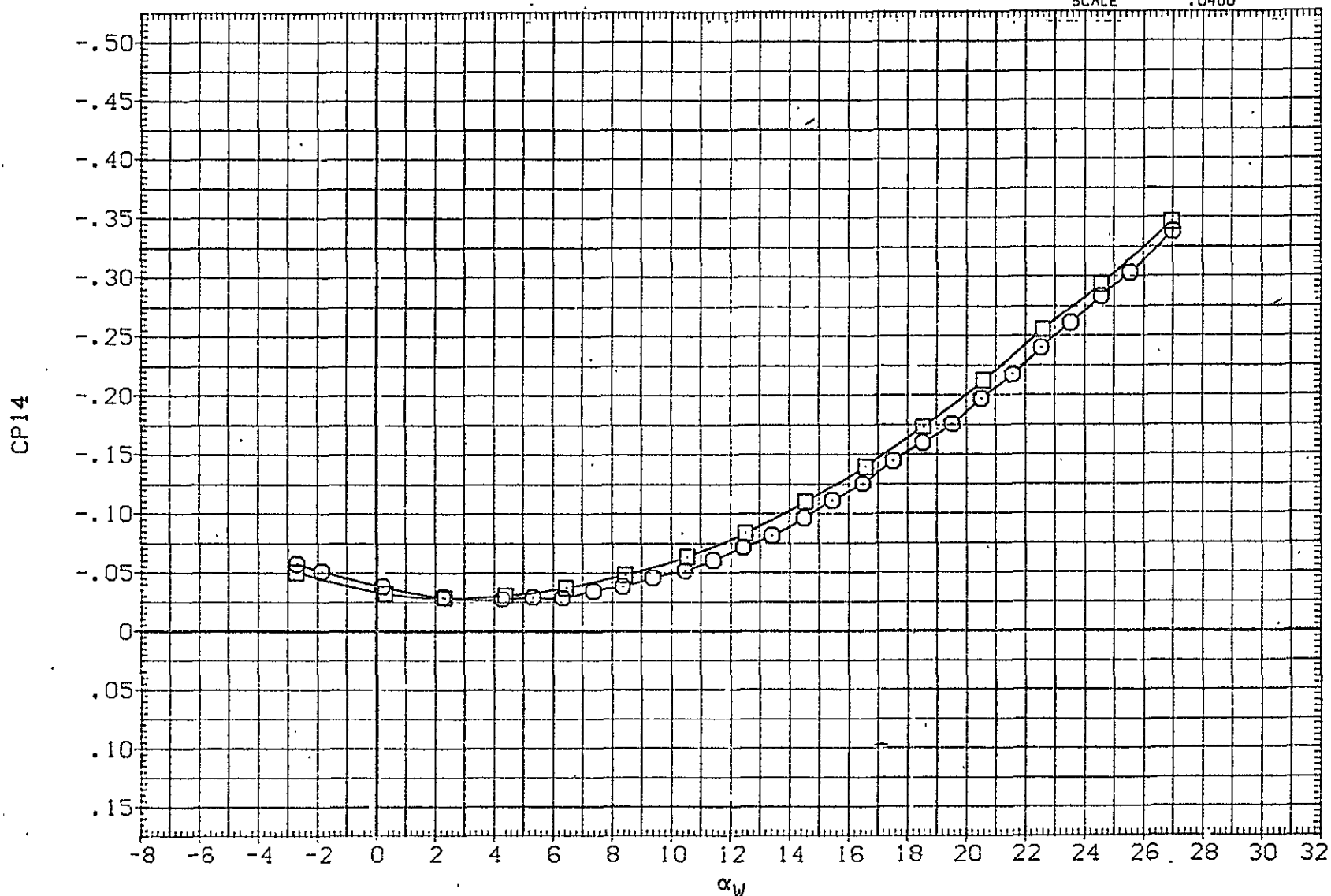


FIG 63 EFFECT OF FLAP SETTING ON AIRSPEED AND ALTITUDE IND, ALT, TC ON, IORB=8
747 NOSE STATIC PRESSURES

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(XJF091)	○	(CA-8) K3V9.1.2TSSH15.6.1F20TS401
(XJF080)	□	(CA-8) K3V9.1.2TSSH15.6.1F30G5.3.5TS401

ELEVTR	STAB	FLAP	BETA
.000	-2.000	20.000	.000
.000	-2.000	30.000	.000

REFERENCE INFORMATION		
SREF	5500.0000	SQ.FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMRP	1339.9100	IN.XC
YMRP	.0000	IN.YC
ZMRP	190.7500	IN.ZC
SCALE	.0400	

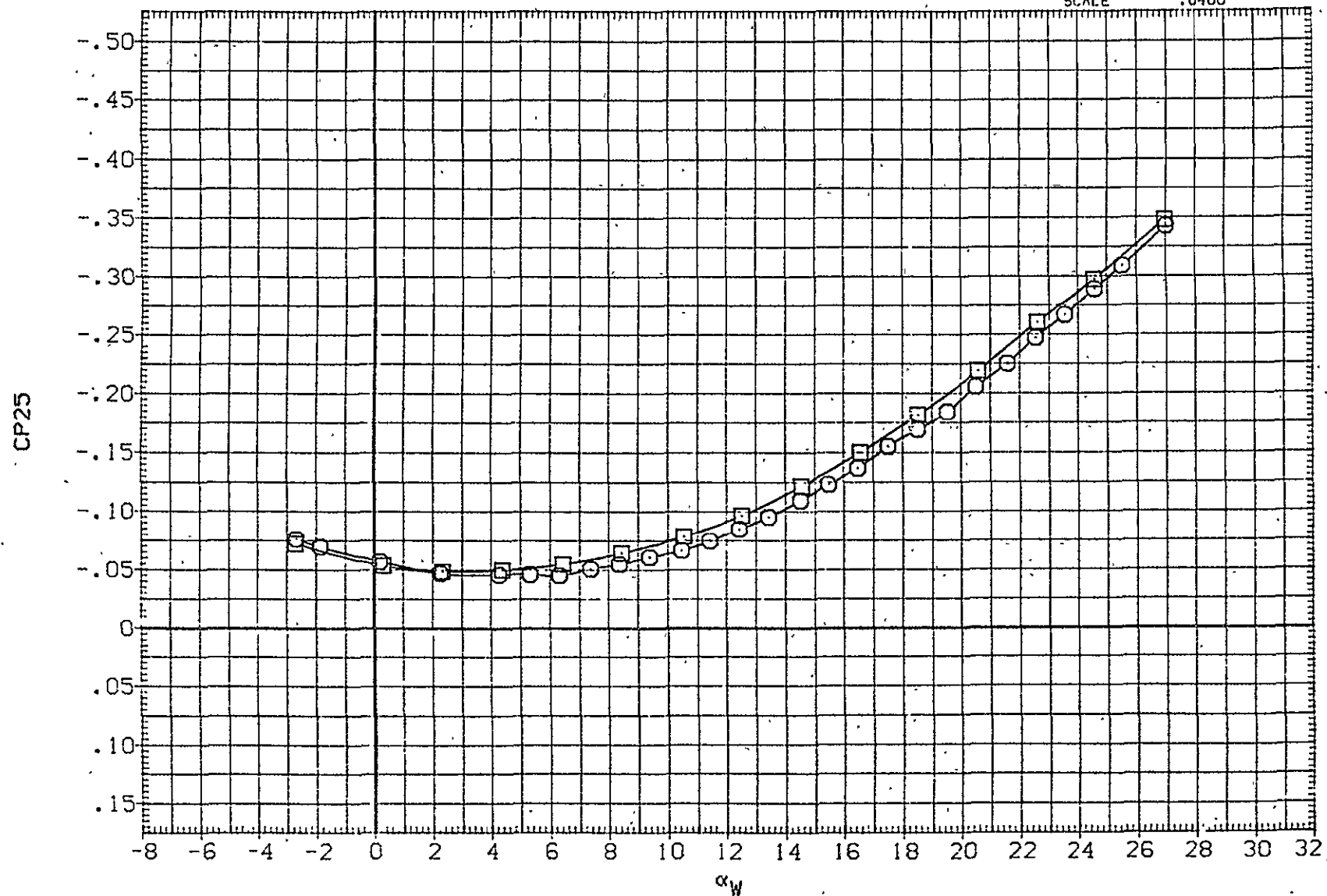


FIG 63 EFFECT OF FLAP SETTING ON AIRSPEED AND ALTITUDE IND. ALT. TC ON, IORB=8
747 NOSE STATIC PRESSURES

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
XJF091)	○	(CA-8) K3V9.1.2TS5H15.6.1F20TS401
XJF060)	□	(CA-8) K3V9.1.2TS5H15.6.1F30GS.3.5TS401

ELEVTR	STAB	FLAP	BETA
.000	-2.000	20.000	.000
.000	-2.000	30.000	.000

REFERENCE INFORMATION		
SREF	5500.0000	SQ.FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMRP	1339.9100	IN.XC
YMRP	.0000	IN.YC
ZMRP	190.7500	IN.ZC
SCALE	.0400	

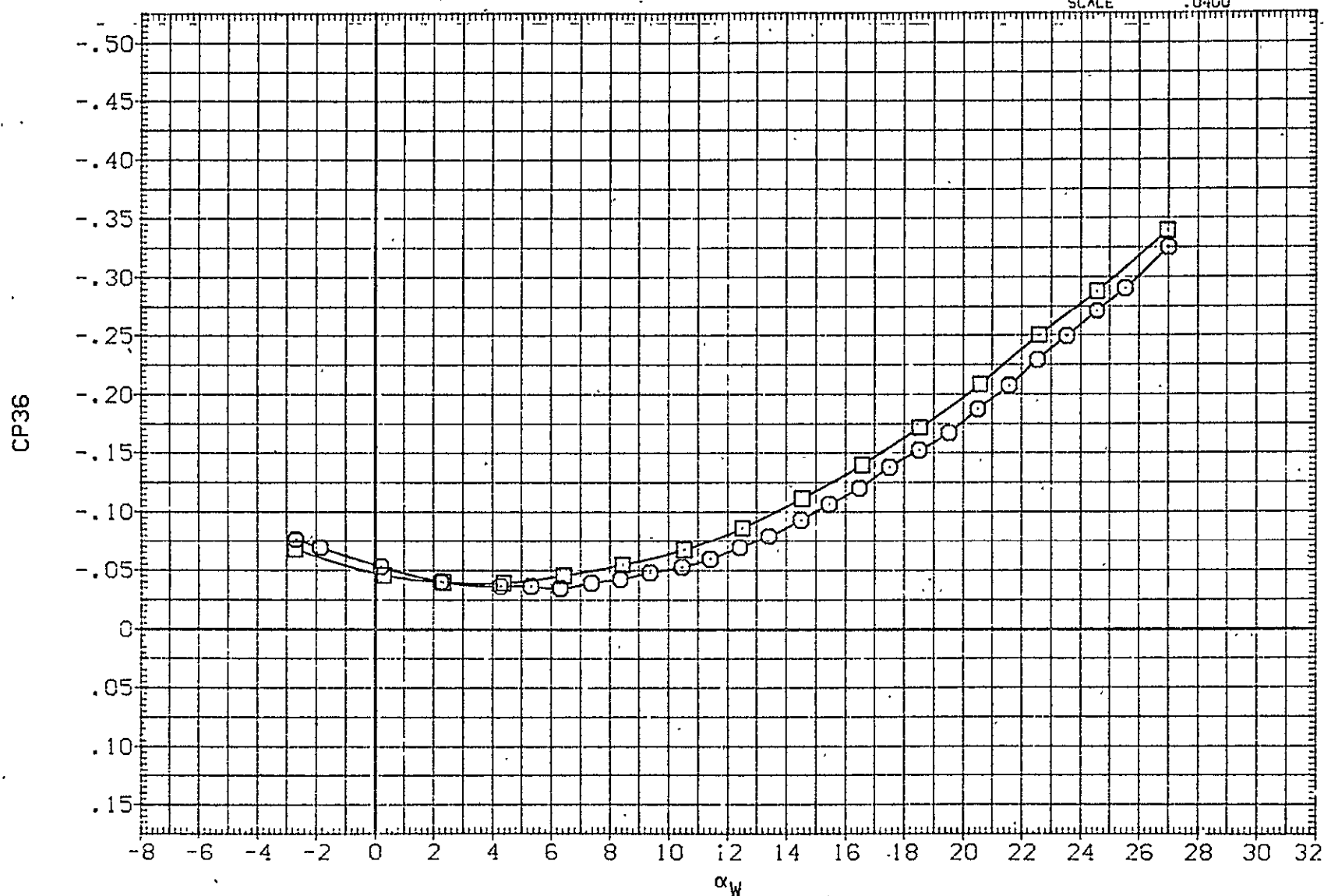


FIG 63 EFFECT OF FLAP SETTING ON AIRSPEED AND ALTITUDE IND, ALT, TC ON, IORB=8
747 NOSE STATIC PRESSURES

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(XJF112)	○	(CA-8) K3V9.1.2TS5H15.6.1F10TS402
(XJF075)	□	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402

ELEVTR	STAB	FLAP	BFTA
.000	-2.000	10.000	.000
.000	-2.000	30.000	.000

REFERENCE INFORMATION		
SREF	5500.0000	SQ.FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMRP	1339.9100	IN. XC
YMRP	.0000	IN. YC
ZMRP	190.7500	IN. ZC
SCALE	.0400	

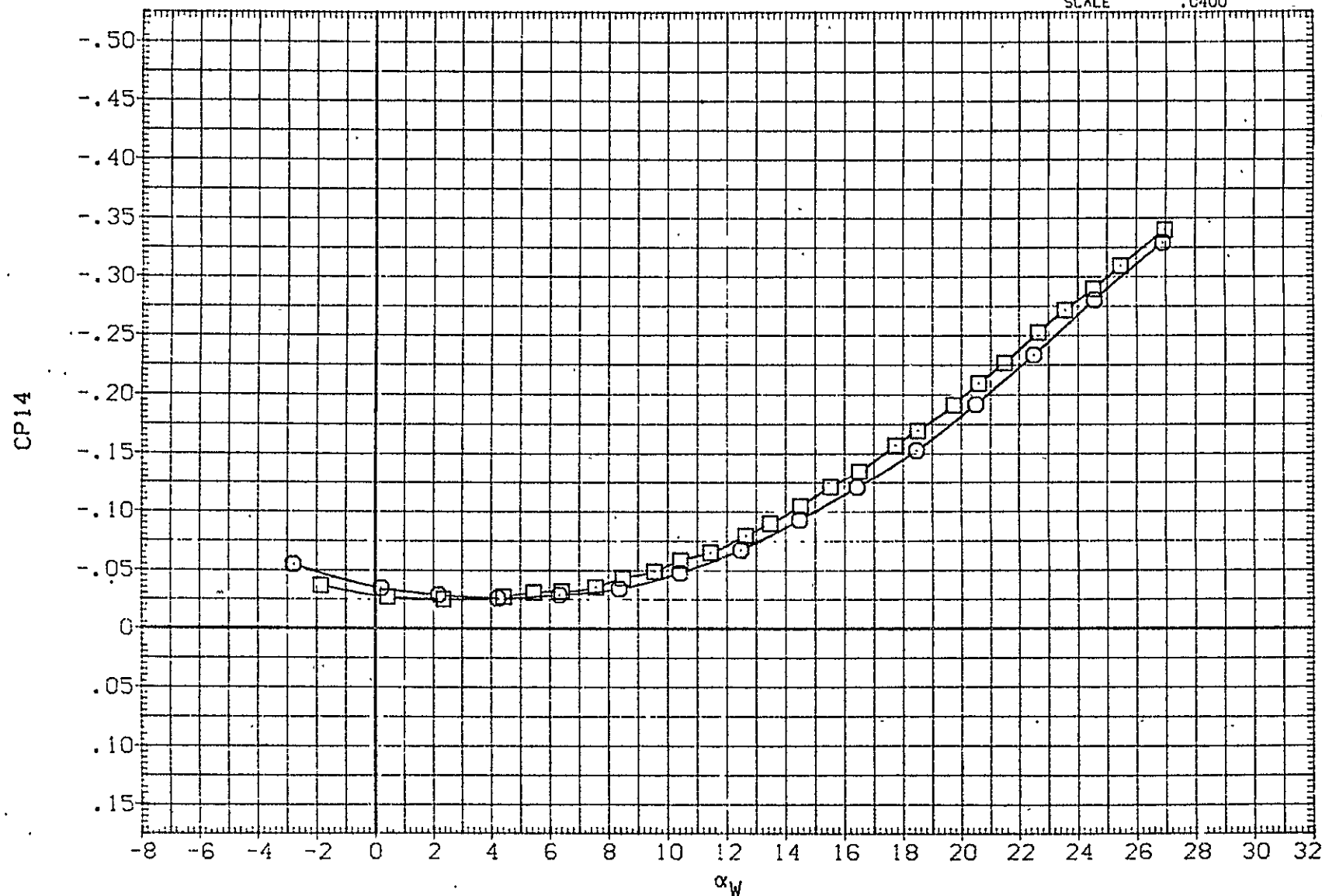


FIG 64 EFFECT OF FLAP SETTING ON AIRSPEED AND ALTITUDE IND. ALT.TC OFF. IORB=8
747 NOSE STATIC PRESSURES

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(XJF112)	○	(CA-8) K3V9.1.2TS5H15.6.1F10TS402
(XJF075)	□	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5'S402

ELEVTR	STAB	FLAP	BFTA
.000	-2.000	10.000	.000
.000	-2.000	30.000	.000

REFERENCE INFORMATION		
SREF	5500.0000	50.FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMRP	1339.9100	IN.XC
YMRP	.0000	IN.YC
ZMRP	190.7500	IN.ZC
SCALE	.0400	

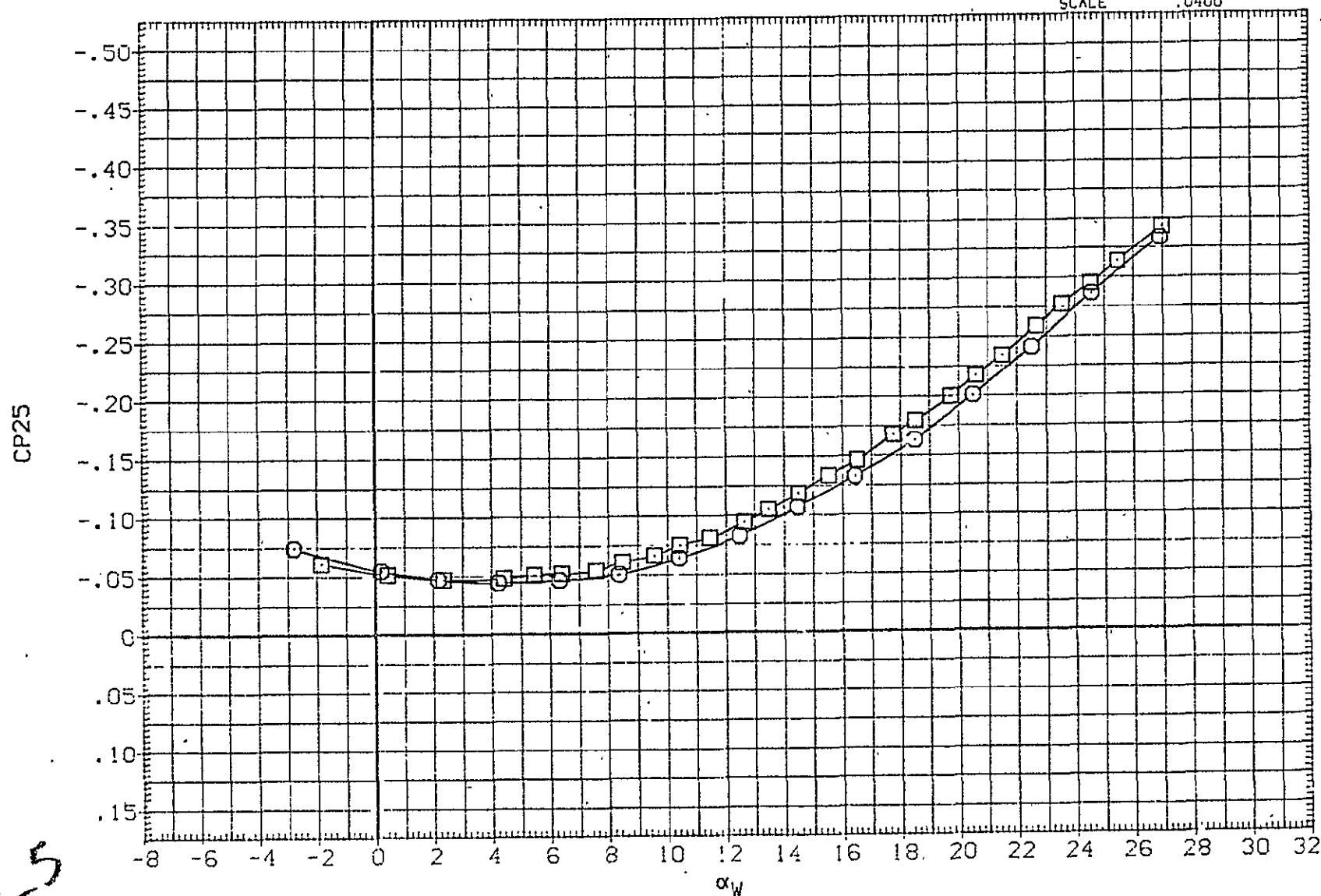


FIG 64 EFFECT OF FLAP SETTING ON AIRSPEED AND ALTITUDE IND. ALT, TC OFF, IORB=8
747 NOSE STATIC PRESSURES

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(XJF112)	○	(CA-8) K3V9.1.2TS5H15.6.1F10TS402
(XJF075)	□	(CA-8) K3V9.1.2TS5H15.6.1F3065.3.5TS402

ELEVTR	STAB	FLAP	BETA	REFERENCE INFORMATION	
.000	-2.000	10.000	.000	SREF	5500.0000 SQ.FT.
.000	-2.000	30.000	.000	LREF	327.8000 IN.
				BREF	2348.0000 IN.
				XMRP	1339.9100 IN.XC
				YMRP	.0000 IN.YC
				ZMRP	190.7500 IN.ZC
				SCALE	.0400

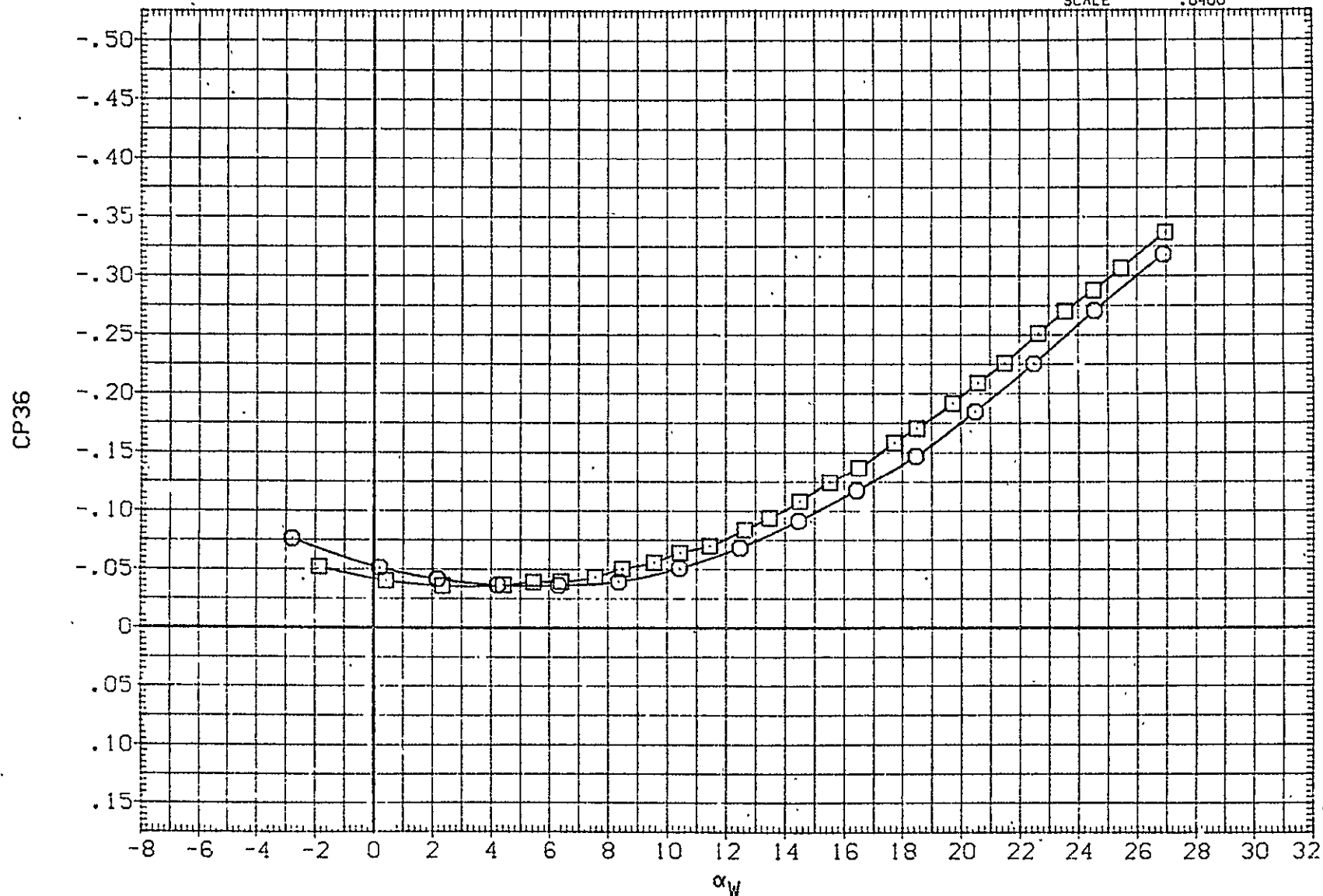


FIG 64 EFFECT OF FLAP SETTING ON AIRSPEED AND ALTITUDE IND. ALT.TC OFF, IORB=8
747 NOSE STATIC PRESSURES

(A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(QJF003)	○	(CA-8) K1V9.1.2TS2H15.1F10
(QJF124)	□	(CA-8) K2V9.1.2TS6H15.6.1FOTS401

ELEVTR	STAB	IORB	ELEVON
.000	-2.000		
.000	-2.000	3.000	.000

REFERENCE INFORMATION		
SREF	5500.0000	SQ.FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMRP	1339.9100	IN. XC
YMRP	.0000	IN. YC
ZMRP	190.7500	IN. ZC
SCALE	.0400	

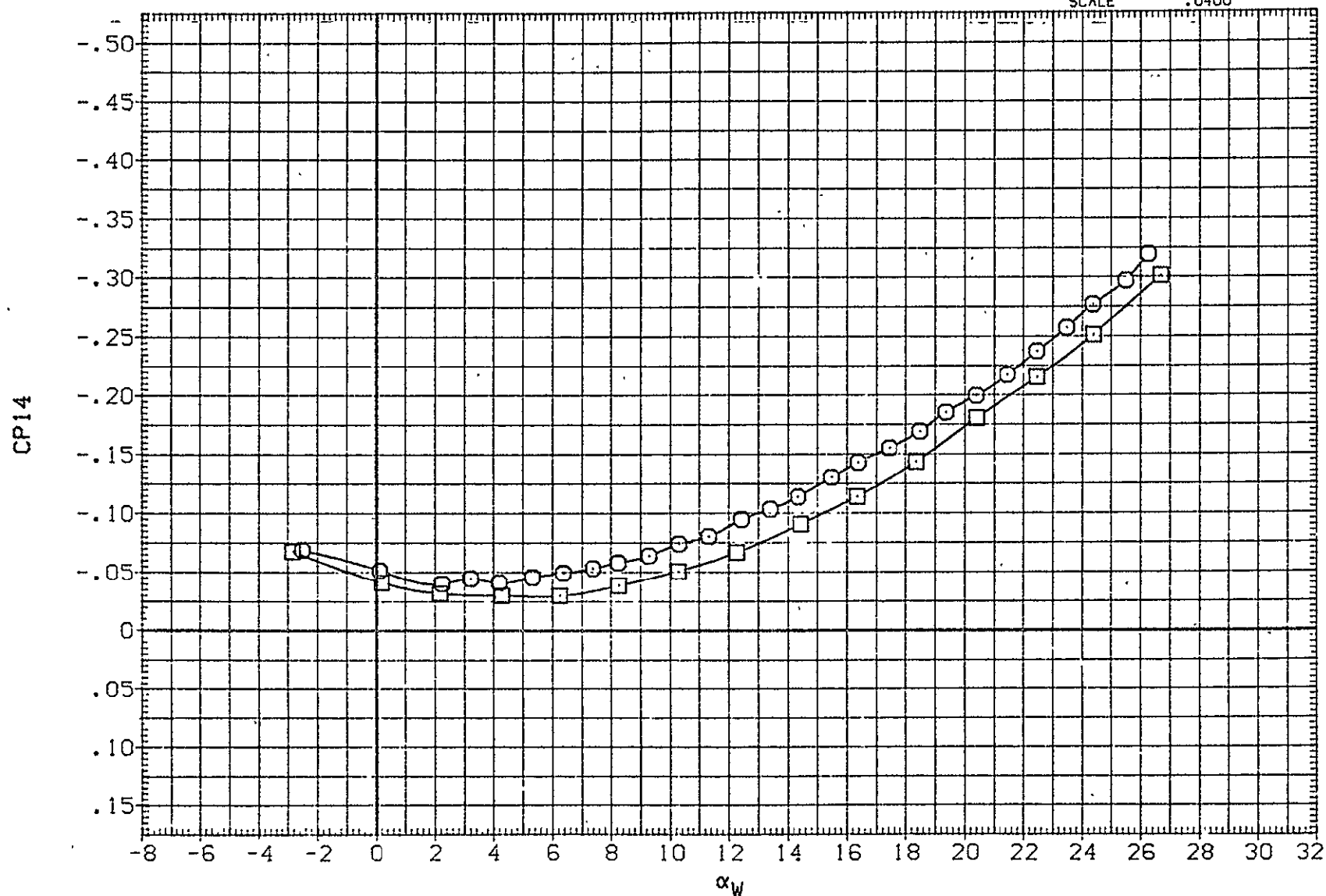


FIG 65 EFFECT OF ORBITER ON AIRSPEED AND ALTITUDE INDICATORS, FLAPS UP,
747 NOSE STATIC PRESSURES

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(QJF003)	○	(CA-8) K1V9.1.2TS2H15.1F10
(QJF124)	□	(CA-8) K2V9.1.2TS6H15.6.1FOTS401

ELEVTR	STAB	IORB	ELEVON
.000	-2.000		
.000	-2.000	3.000	.000

REFERENCE INFORMATION		
SREF	5500.0000	SO.FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMRP	1339.9100	IN.XC
YMRP	.0000	IN.YC
ZMRP	190.7500	IN.ZC
SCALE	.0400	

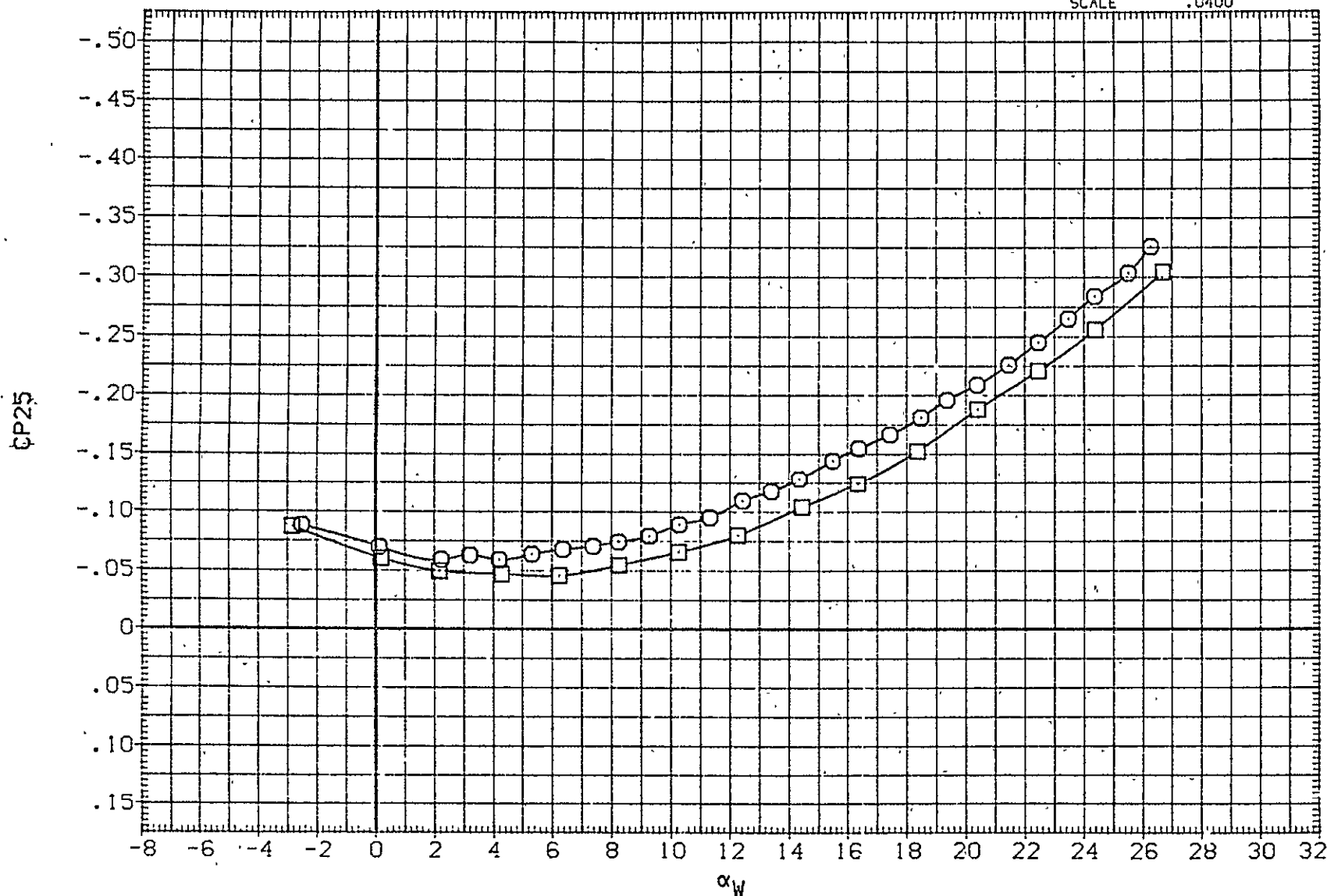


FIG 65 EFFECT OF ORBITER ON AIRSPEED AND ALTITUDE INDICATORS, FLAPS UP,
747 NOSE STATIC PRESSURES

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(QJF003)	○	(CA-8) K1V9.1.2TS2H15.1F10
(QJF124)	□	(CA-8) K2V9.1.2S6H15.6.1FOTS401

ELEVTR	STAB	IORB	ELEVON
.000	-2.000		
.000	-2.000	3.000	.000

REFERENCE INFORMATION		
SREF	5500.0000	SQ.FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMPP	1339.9100	IN.XC
YMPP	.0000	IN.YC
ZMPP	190.7500	IN.ZC
SCALE	.0400	

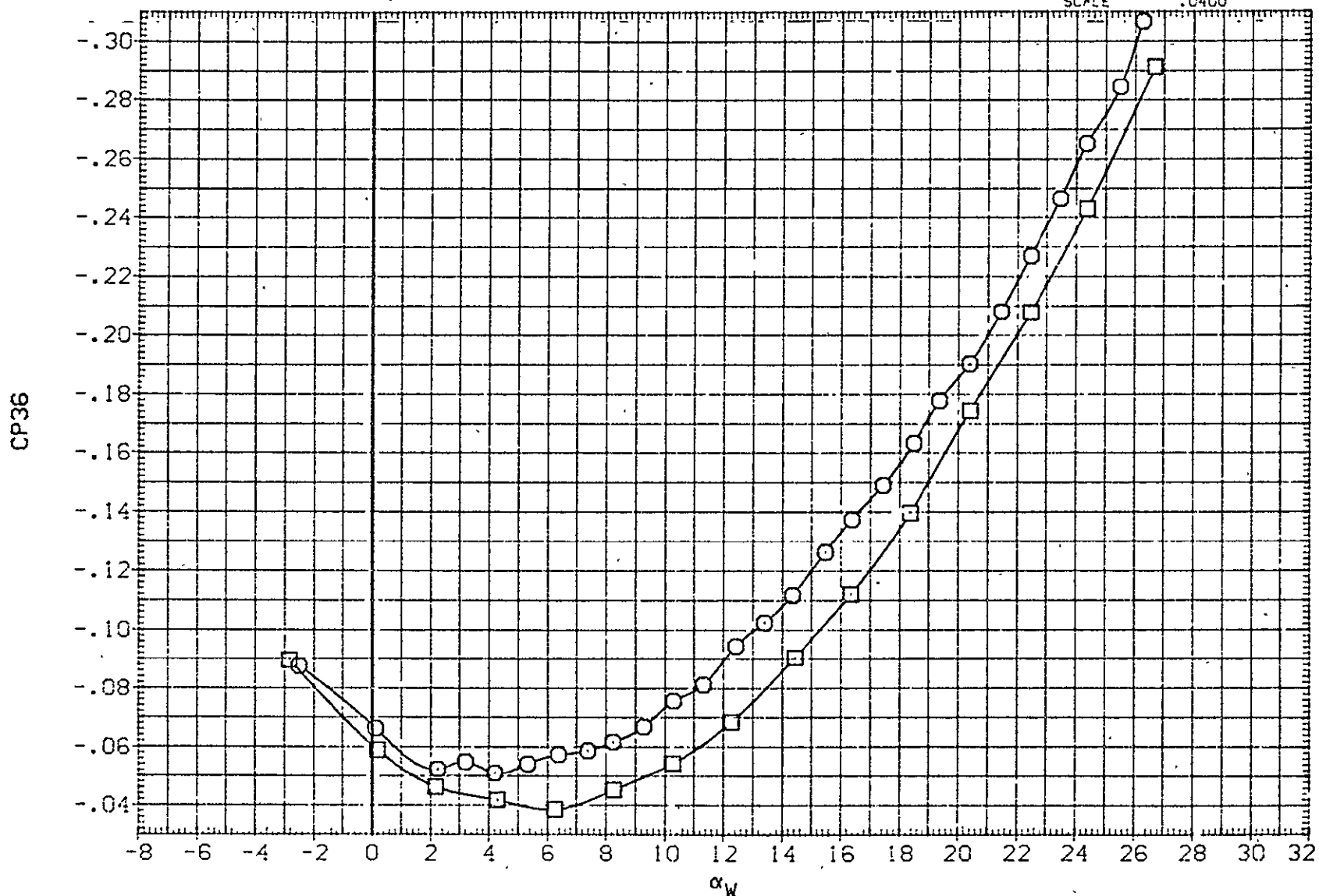


FIG 65 EFFECT OF ORBITER ON AIRSPEED AND ALTITUDE INDICATORS, FLAPS UP.
747 NOSE STATIC PRESSURES

(A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(QJFC04)	○	(CA-8) K1V9.1.2TS2H15.1F10
(QJF119)	□	(CA-8) K2V9.1.2TS5H15.6.1F10TS401

ELEVTR	STAB	ICRB	ELEVON
.000	-2.000		
.000	-2.000	3.000	.000

REFERENCE INFORMATION		
SREF	5500.0000	50. FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMPP	1339.9100	IN. XC
YMPP	.0000	IN. YC
ZMPP	190.7500	IN. ZC
SCALE	.6400	

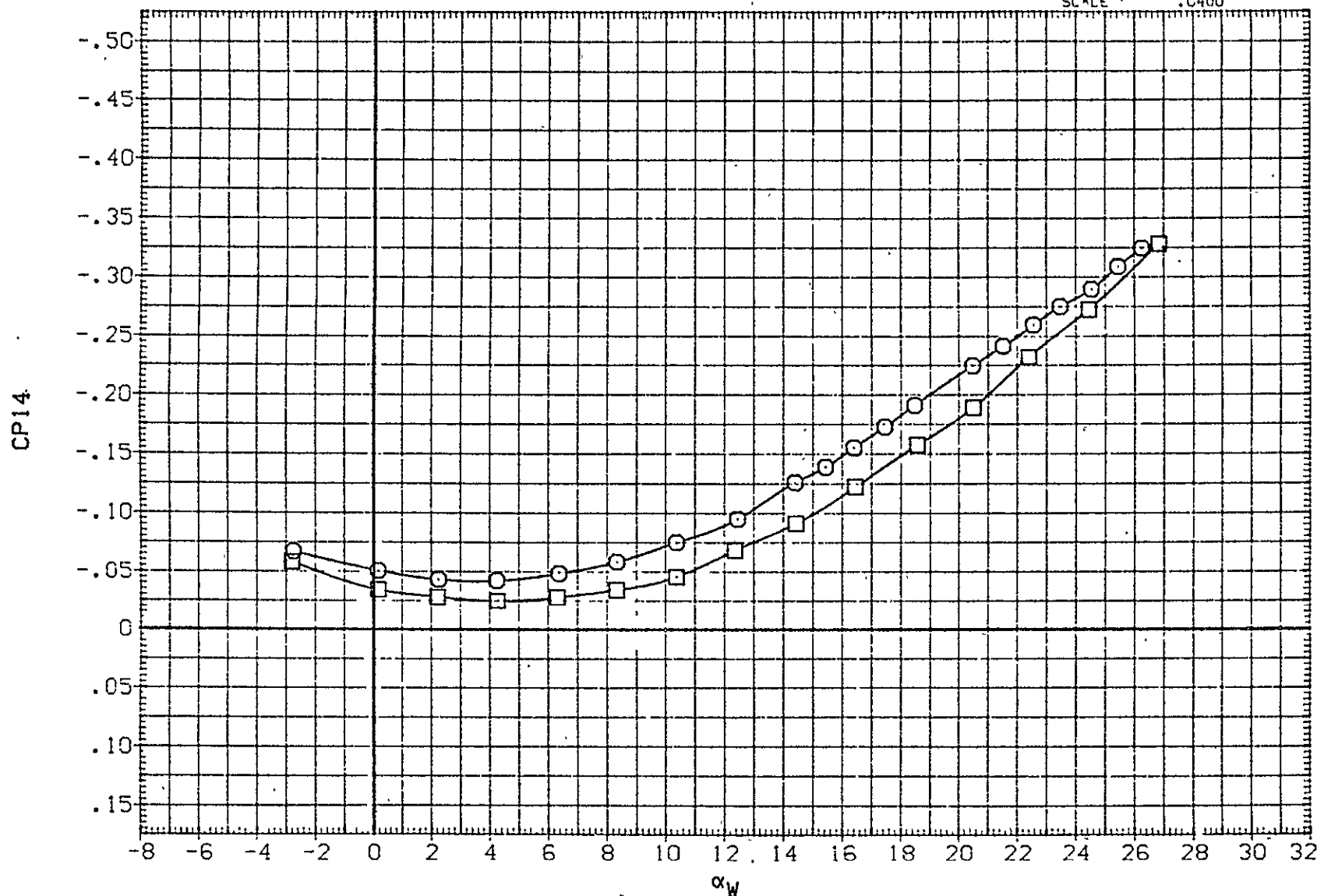


FIG 66 EFFECT OF ORBITER ON AIRSPEED AND ALTITUDE INDICATORS, FLAPS 10
747 NOSE STATIC PRESSURES

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(QJF004)	○	(CA-8) K1V9.1.2TS2H15.1F10
(QJF119)	□	(CA-8) K2V9.1.2TS5H15.6.1F10TS401

ELEVTR	STAB	IORB	ELEVON
.000	-2.000		
.000	-2.000	3.000	.000

REFERENCE INFORMATION		
SREF	5500.0000	SQ.FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMRP	1339.9100	IN. XC
YMRP	.0000	IN. YC
ZMRP	190.7500	IN. ZC
SCALE	.0400	

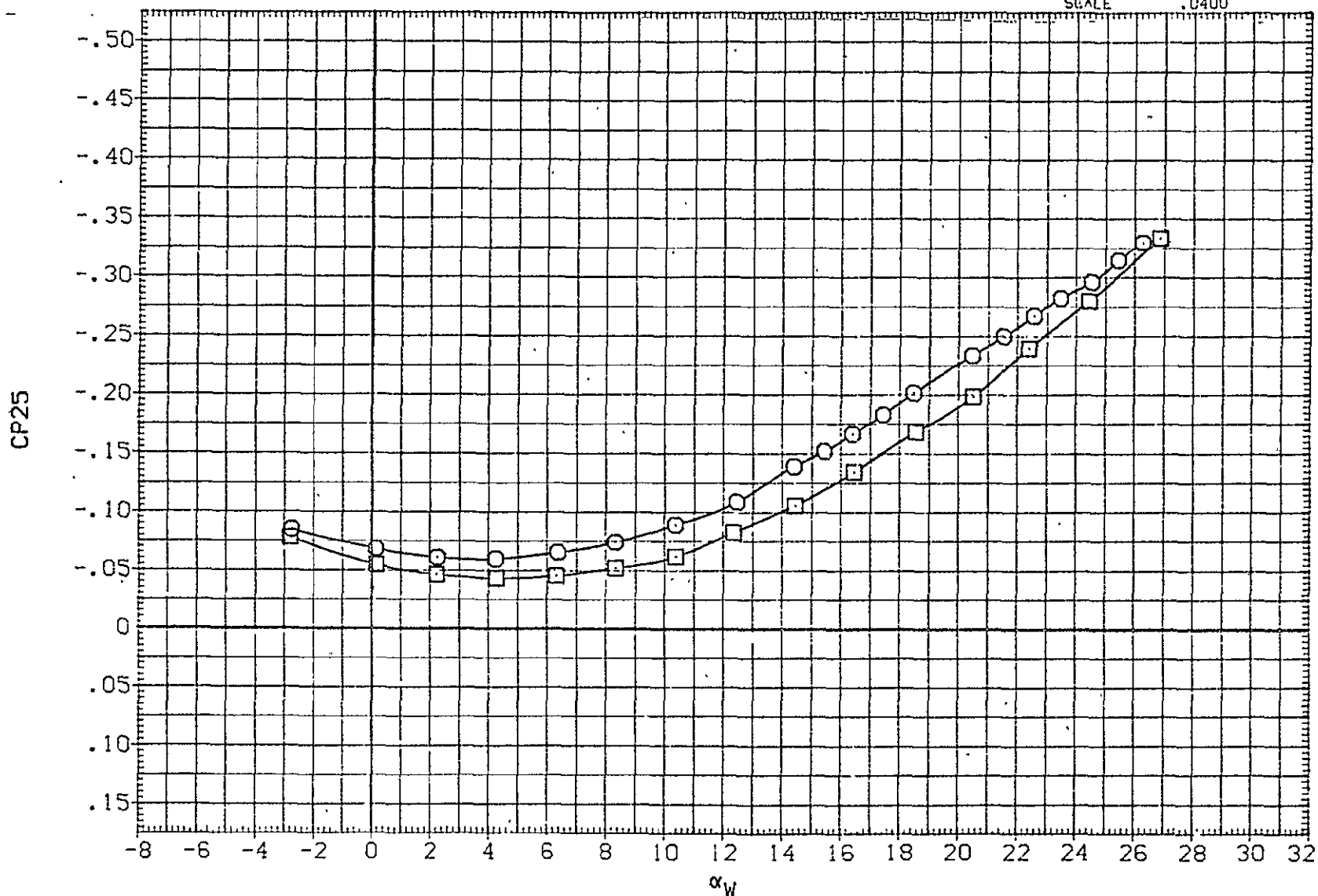


FIG 66 EFFECT OF ORBITER ON AIRSPEED AND ALTITUDE INDICATORS, FLAPS 10
747 NOSE STATIC PRESSURES

(A)MACH/ = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(QJF004)	○	(CA-8) K1V9.1.2TS2H15.1F10
(QJF119)	□	(CA-8) K2V9.1.2TS5H15.6.1F10TS401

ELEVTR	STAB	IORB	ELEVON
.000	-2.000		
.000	-2.000	3.000	.000

REFERENCE INFORMATION		
SREF	5500.0000	50.FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMPP	1339.9100	IN.YC
YMRP	.0000	IN.YC
ZMPP	190.7500	IN.ZC
SCALE	.0400	

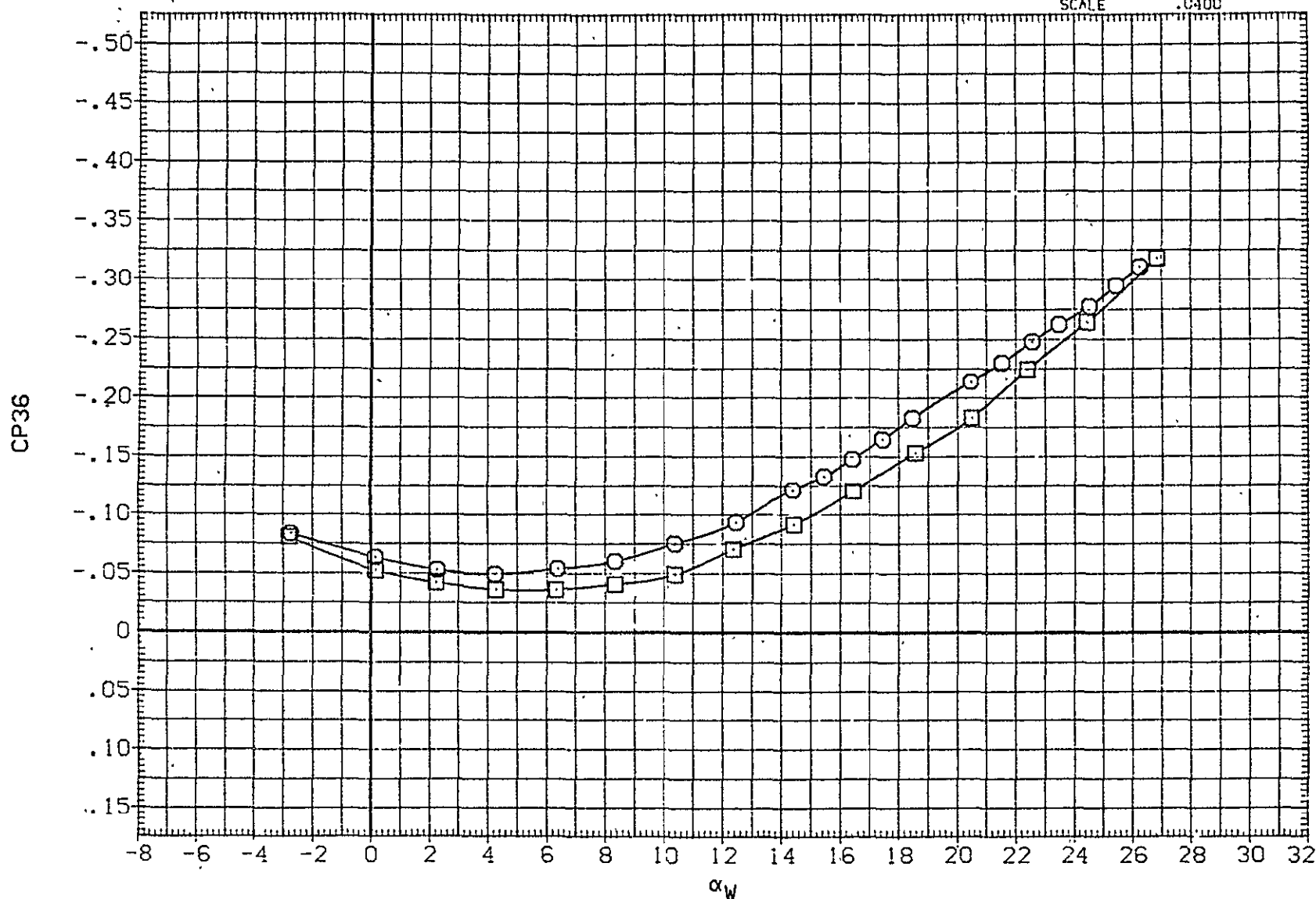


FIG 66 EFFECT OF ORBITER ON AIRSPEED AND ALTITUDE INDICATORS, FLAPS 10
747 NOSE STATIC PRESSURES

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(QJF017)	○	(CA-8) K1V9.1.2TS2H15.1F20
(QJF094)	□	(CA-8) K2V9.1.2TS5H15.6.1F20TS401

ELEVTR	STAB	IORB	ELEVON
.000	-2.000		
.000	-2.000	3.000	.000

REFERENCE INFORMATION		
SREF	5500.0000	SQ.FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMRF	1339.9100	IN.XC
YMRF	.0000	IN.YC
ZMRF	190.7500	IN.ZC
SCALE	.0400	

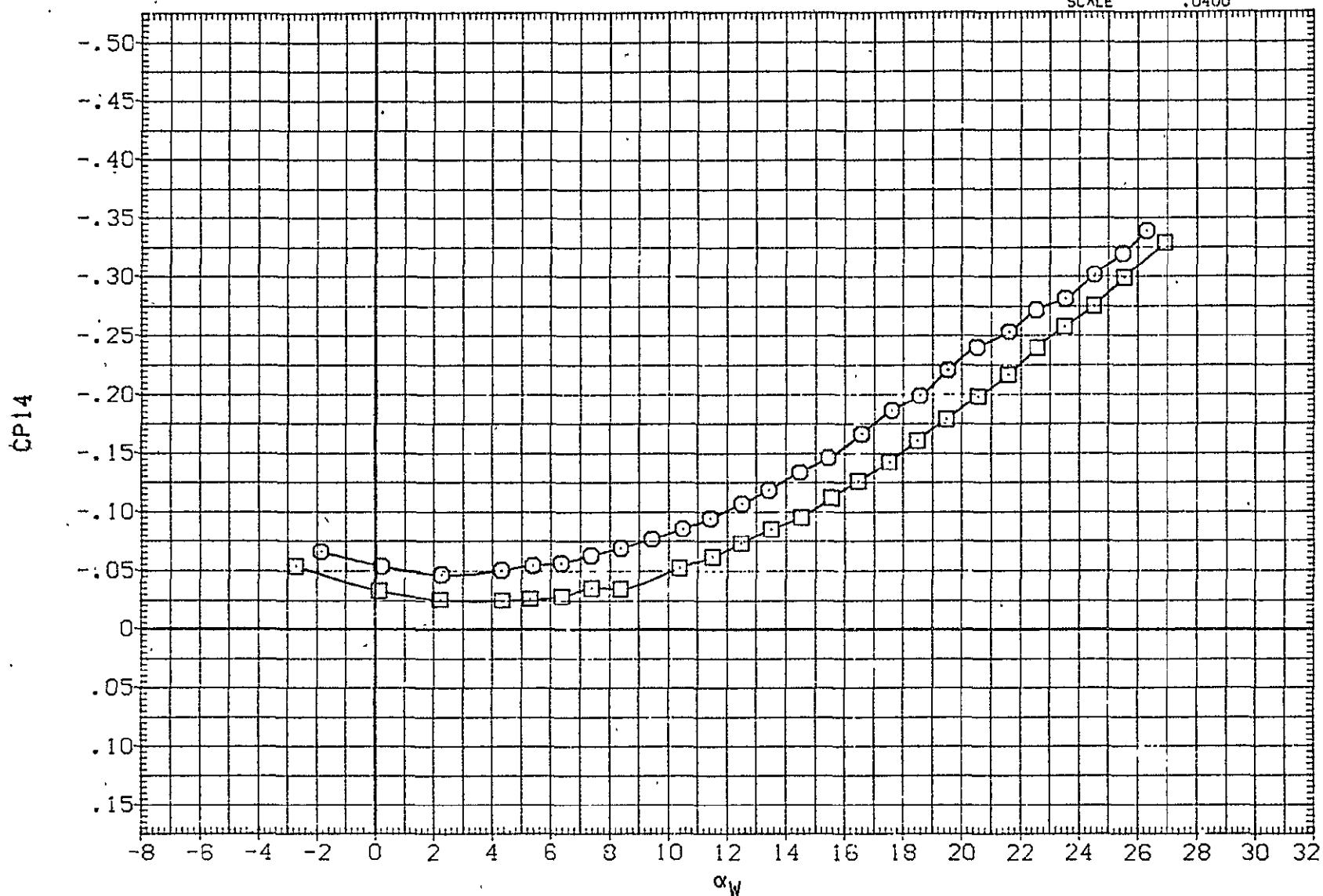


FIG 67 EFFECT OF ORBITER ON AIRSPEED AND ALTITUDE INDICATORS, FLAPS 20
747 NOSE STATIC PRESSURES

(A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(QJF017)	○	(CA-8) K1V9.1.2TS2H15.1F20
(QJF094)	□	(CA-8) K2V9.1.2TSSH15.6.1F20TS401

ELEVTR	STAB	IORB	ELEVON
.000	-2.000		
.000	-2.000	3.000	.000

REFERENCE INFORMATION		
SREF	5500.0000	SO.FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMRP	1339.9100	IN.XC
YMRP	.0000	IN.YC
ZMRP	190.7500	IN.ZC
SCALE	.0400	

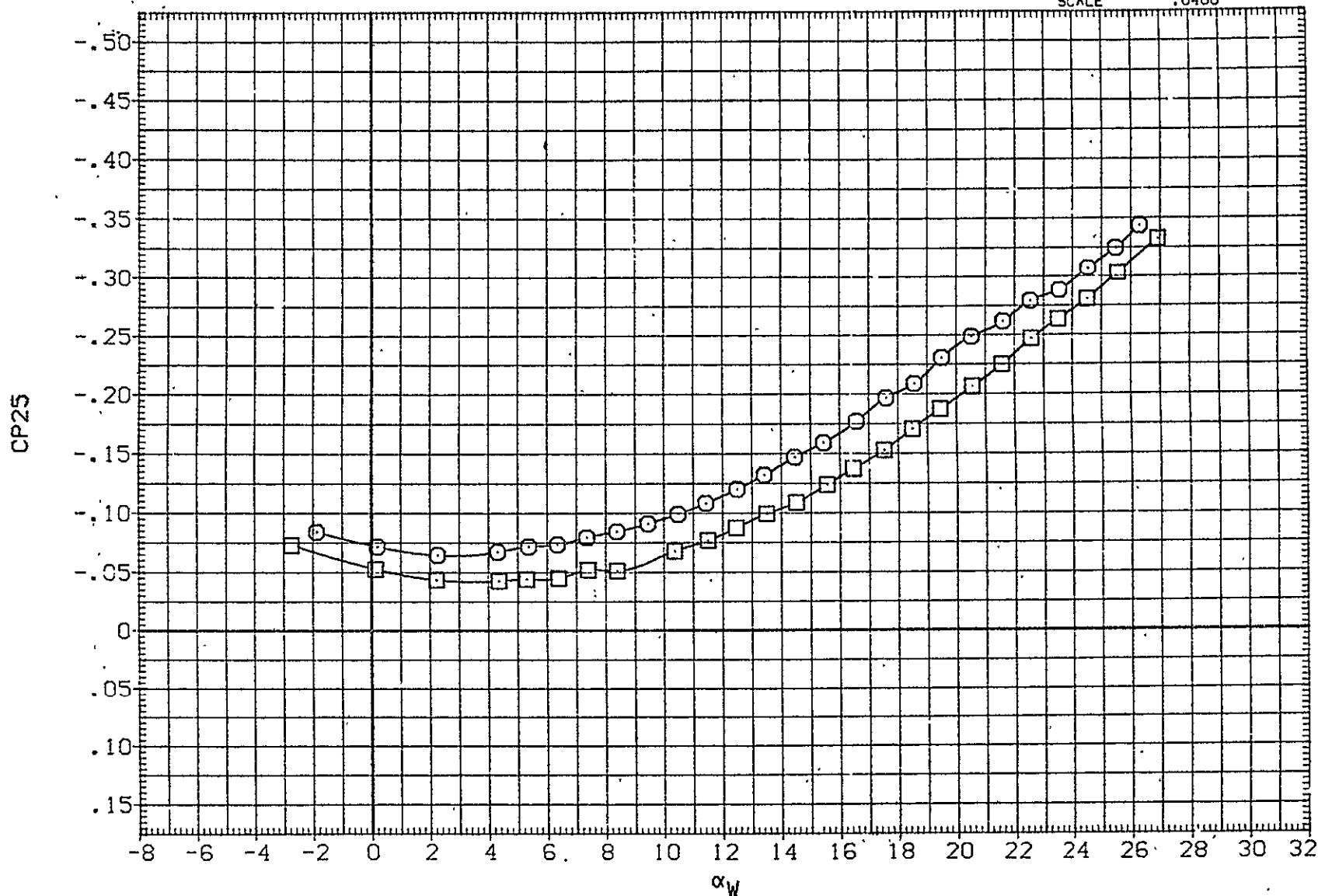


FIG 67 EFFECT OF ORBITER ON AIRSPEED AND ALTITUDE INDICATORS, FLAPS 20
747 NOSE STATIC PRESSURES

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	IORB	ELEVON	REFERENCE INFORMATION		
(QJF017)	○	(CA-8) K1V9.1.2TS2H15.1F20	.000	-2.000			SREF	5500.0000	50.F
(QJF094)	□	(CA-8) K2V9.1.2TS5H15.6.1F20TS401	.000	-2.000	3.000	.000	LREF	327.8000	IN.
							BREF	2348.0000	IN.
							XMRP	1339.9100	IN.X
							YMRP	.0000	IN.Y
							ZMRP	190.7500	IN.Z
							SCALE	.0400	

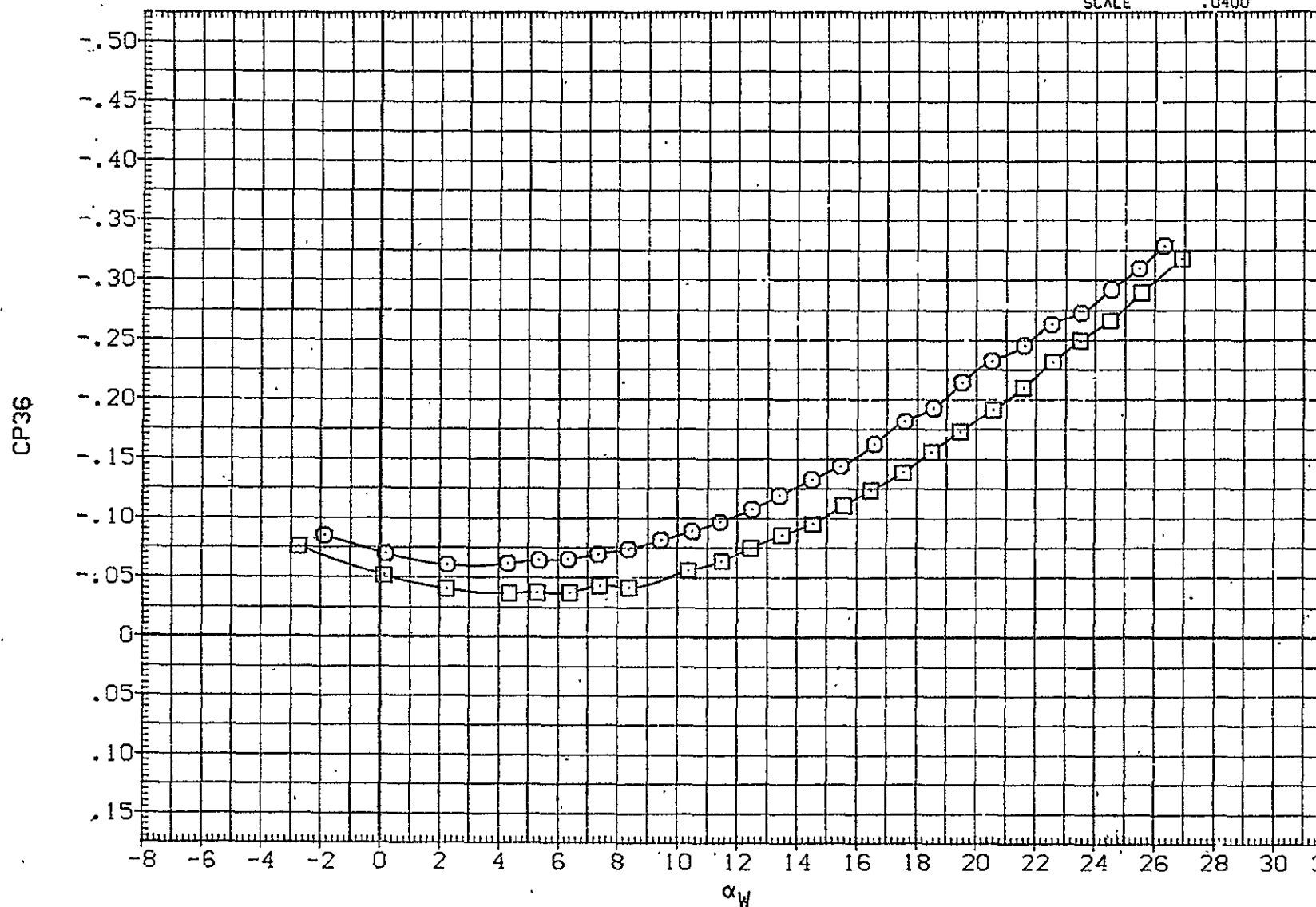


FIG 67 EFFECT OF ORBITER ON AIRSPEED AND ALTITUDE INDICATORS, FLAPS 20
747 NOSE STATIC PRESSURES

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(QJF031)	○	(CA-8) K1V9.1.2TS2H15.1F3065.3.5
(QJF038)	□	(CA-8) K2V9.1.2TS5F30H15.6.165.3.5TS401

ELEVTR	STAB	IORB	ELEVON.
.000	-2.000		
.000	-2.000	3.000	.000

REFERENCE INFORMATION		
SREF	5500.0000	50. FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMRP	1339.9100	IN. XC
YMRP	.0000	IN. YC
ZMRP	190.7500	IN. ZC
SCALE	.0400	

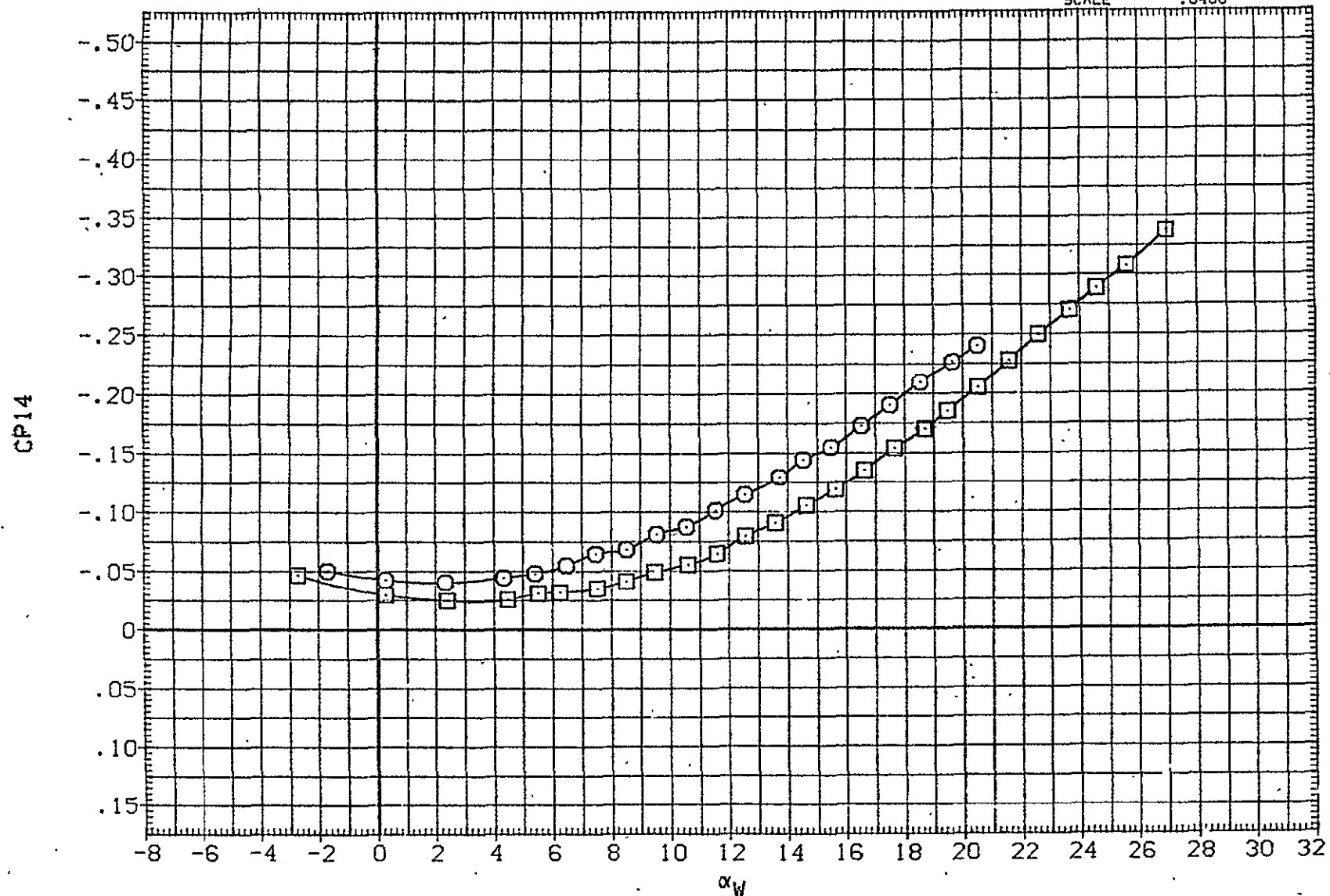


FIG 68 EFFECT OF ORBITER ON AIRSPEED AND ALTITUDE INDICATORS, FLAPS 30
747 NOSE STATIC PRESSURES

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(QJF031)	○	(CA-8) K1V9.1.2TS2H15.1F30G5.3.5
(QJF038)	□	(CA-8) K2V9.1.2TS5F30H15.6.1G5.3.5TS401

ELEVTR	STAB	IORB	ELEVON
.000	-2.000		
.000	-2.000	3.000	.000

REFERENCE INFORMATION		
SREF	5500.0000	50. FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XM RP	1339.9100	IN. XC
YM RP	.0000	IN. YC
ZM RP	190.7500	IN. ZC
SCALE	.0400	

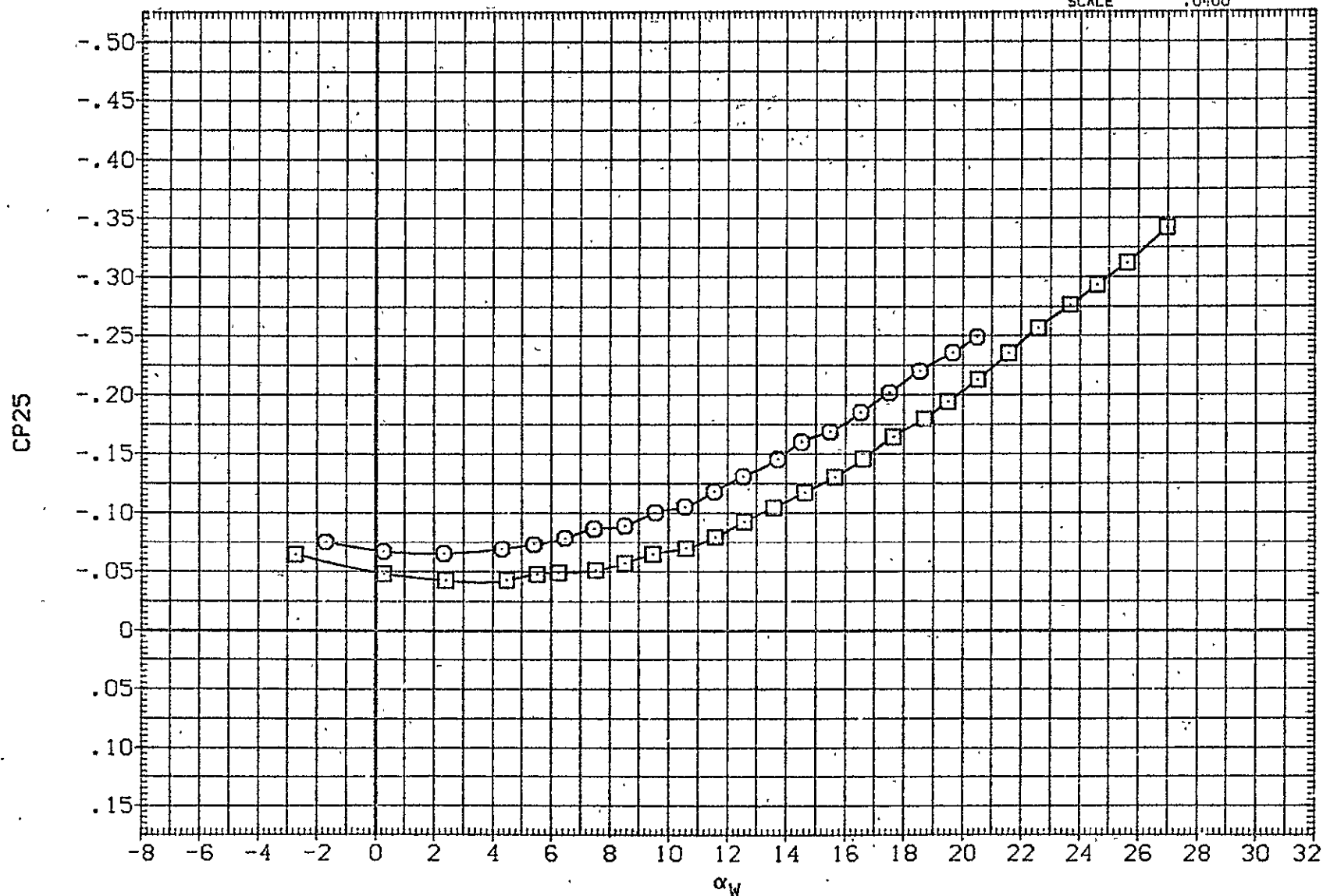


FIG 68 EFFECT OF ORBITER ON AIRSPEED AND ALTITUDE INDICATORS, FLAPS 30
747 NOSE STATIC PRESSURES

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(QJF031)	○	(CA-8) K1V9.1.2TS2H15.1F30G5.3.5
(QJF038)	□	(CA-8) K2V9.1.2TS5F30H15.6.1G5.3.5TS401

ELEVTR	STAB	IORB	ELEVON
.000	-2.000		
.000	-2.000	3.000	.000

REFERENCE INFORMATION		
SREF	5500.0000	SQ.FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XM RP	1339.9100	IN.XC
YM RP	.0000	IN.YC.
ZM RP	190.7500	IN.ZC
SCALE	.0400	

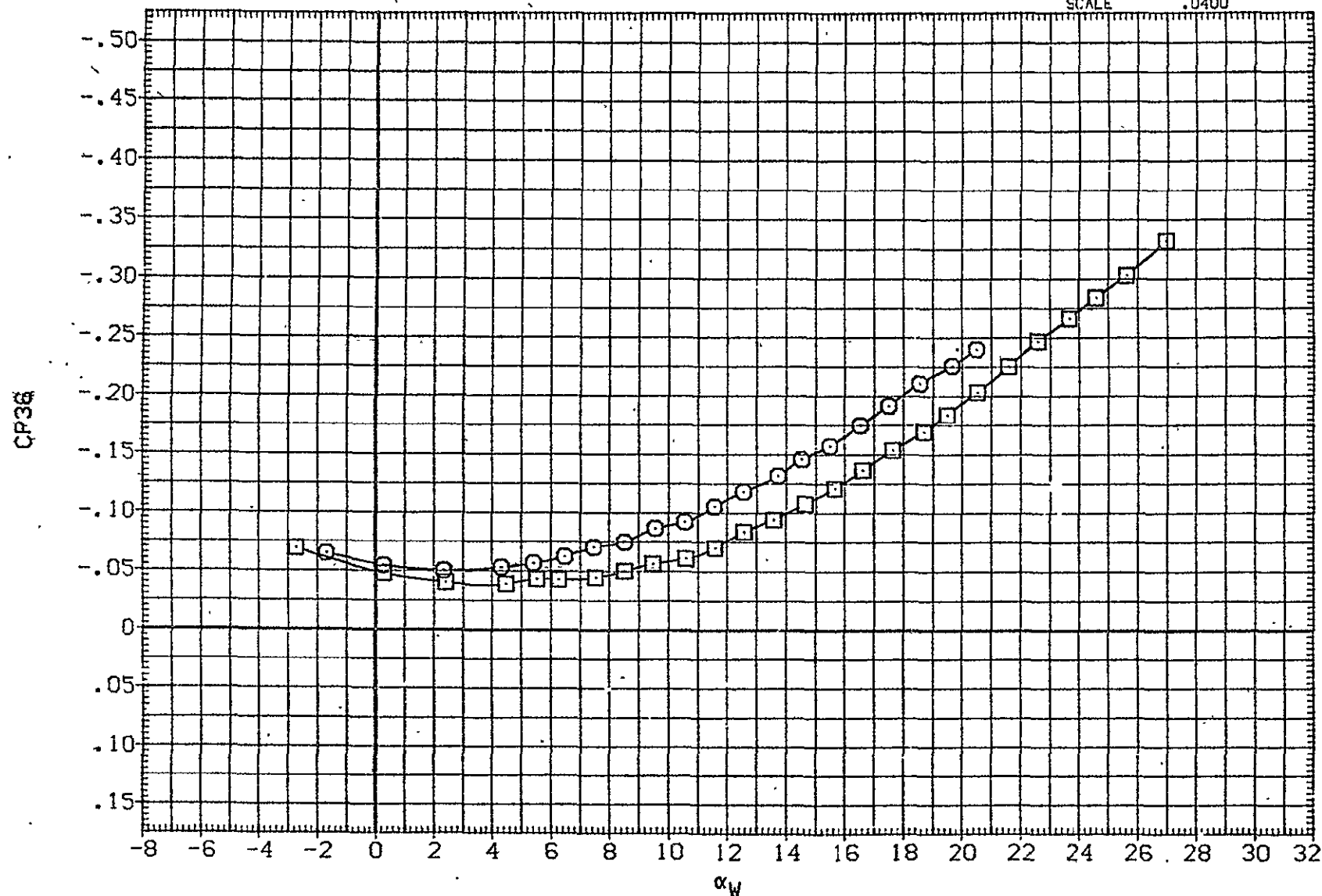


FIG 68 EFFECT OF ORBITER ON AIRSPEED AND ALTITUDE INDICATORS, FLAPS 30
747 NOSE STATIC PRESSURES

(A)MACH = .15

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REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	IORB	ELEVON	REFERENCE INFORMATION	
(QJF003)	○	(CA-8) K1V9.1.2TS2H15.1F10	.000	-2.000			SREF	5500.0000 SQ.FT.
(QJF124)	□	(CA-8) K2V9.1.2TS6H15.6.1FOTS401	.000	-2.000	3.000	.000	LREF	327.8000 IN.
(QJF127)	◇	(CA-8) K3V9.1.2TS6H15.6.1FOTS401	.000	-2.000	6.000	.000	BREF	2348.0000 IN.
							XMRP	1339.9100 IN.XC
							YMRP	.0000 IN.YC
							ZMRP	190.7500 IN.ZC
							SCALE	.0400

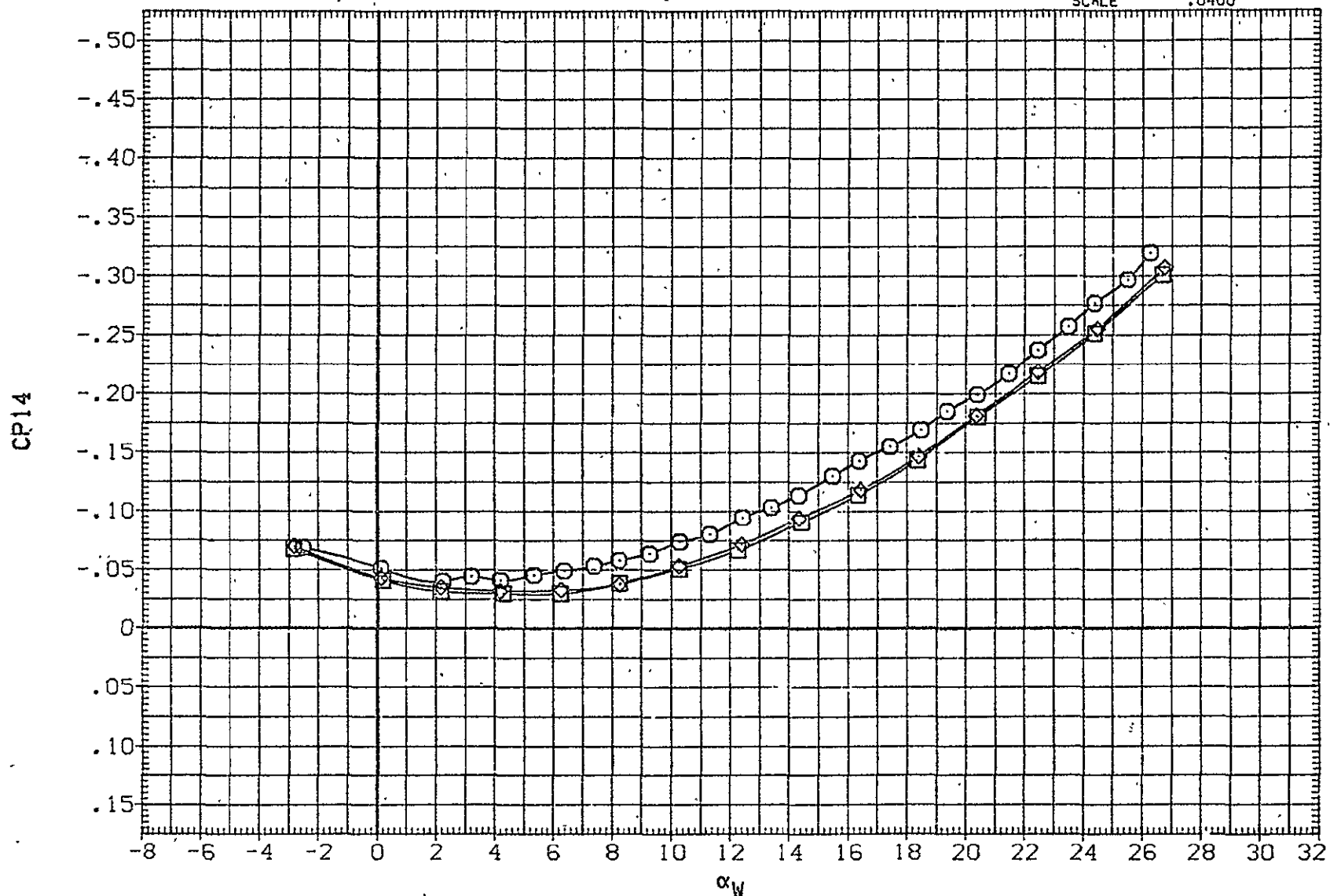


FIG 69 EFFECT OF ORB INC ON AIRSPEED AND ALTITUDE INDICATORS, FLAPS UP, TC ON 747 NOSE STATIC PRESSURES

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(QJF003)	○	(CA-8) K1V9.1.2TS2H15.1F10
(QJF124)	□	(CA-8) K2V9.1.2TS6H15.6.1FOTS401
(QJF127)	◇	(CA-8) K3V9.1.2TS6H15.6.1FOTS401

ELEVTR	STAB	IORB	ELEVON
.000	-2.000		
.000	-2.000	3.000	.000
.000	-2.000	6.000	.000

REFERENCE INFORMATION		
SREF	5500.0000	50.FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMRF	1339.9100	IN.XC
YMRF	.0000	IN.YC
ZMRF	190.7500	IN.ZC
SCALE	.0400	

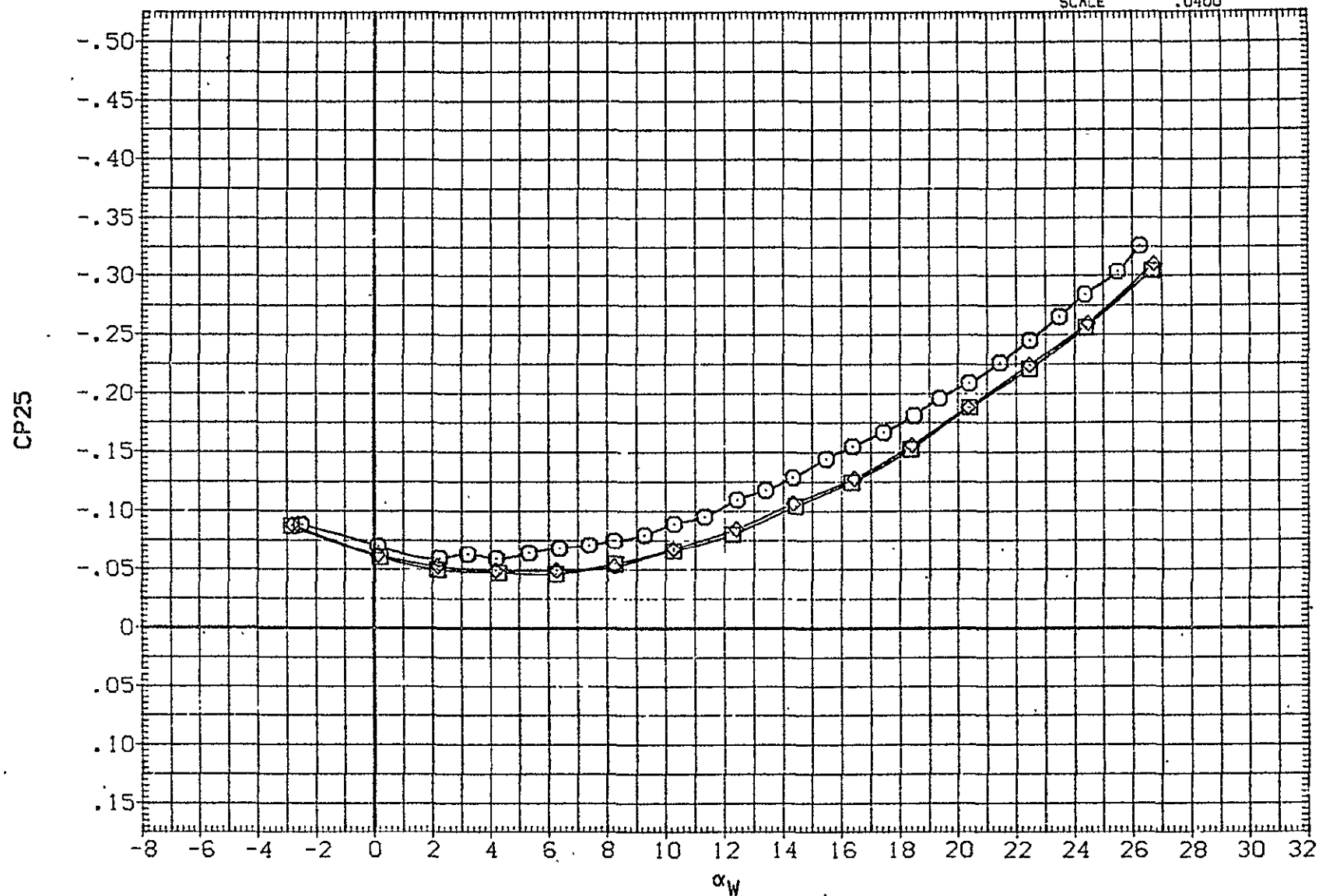


FIG 69 EFFECT OF ORB INC ON AIRSPEED AND ALTITUDE INDICATORS, FLAPS UP, TC ON 747 NOSE STATIC PRESSURES

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(QJF003)	○	(CA-8) K1V9.1.2TS2H15.1F10
(QJF124)	□	(CA-8) K2V9.1.2TS6H15.6.1FOTS401
(QJF127)	◇	(CA-8) K3V9.1.2TS6H15.6.1FOTS401

ELEVTR	STA#	IORB	ELEVON
.000	-2.000		
.000	-2.000	3.000	.000
.000	-2.000	6.000	.000

REFERENCE INFORMATION		
SREF	5500.0000	50. FT.
LREF	327.8000	IN.
BPEF	2348.0000	IN.
XMRP	1339.9100	IN. XC
YMRP	.0000	IN. YC
ZMRP	190.7500	IN. ZC
SCALE	.0400	

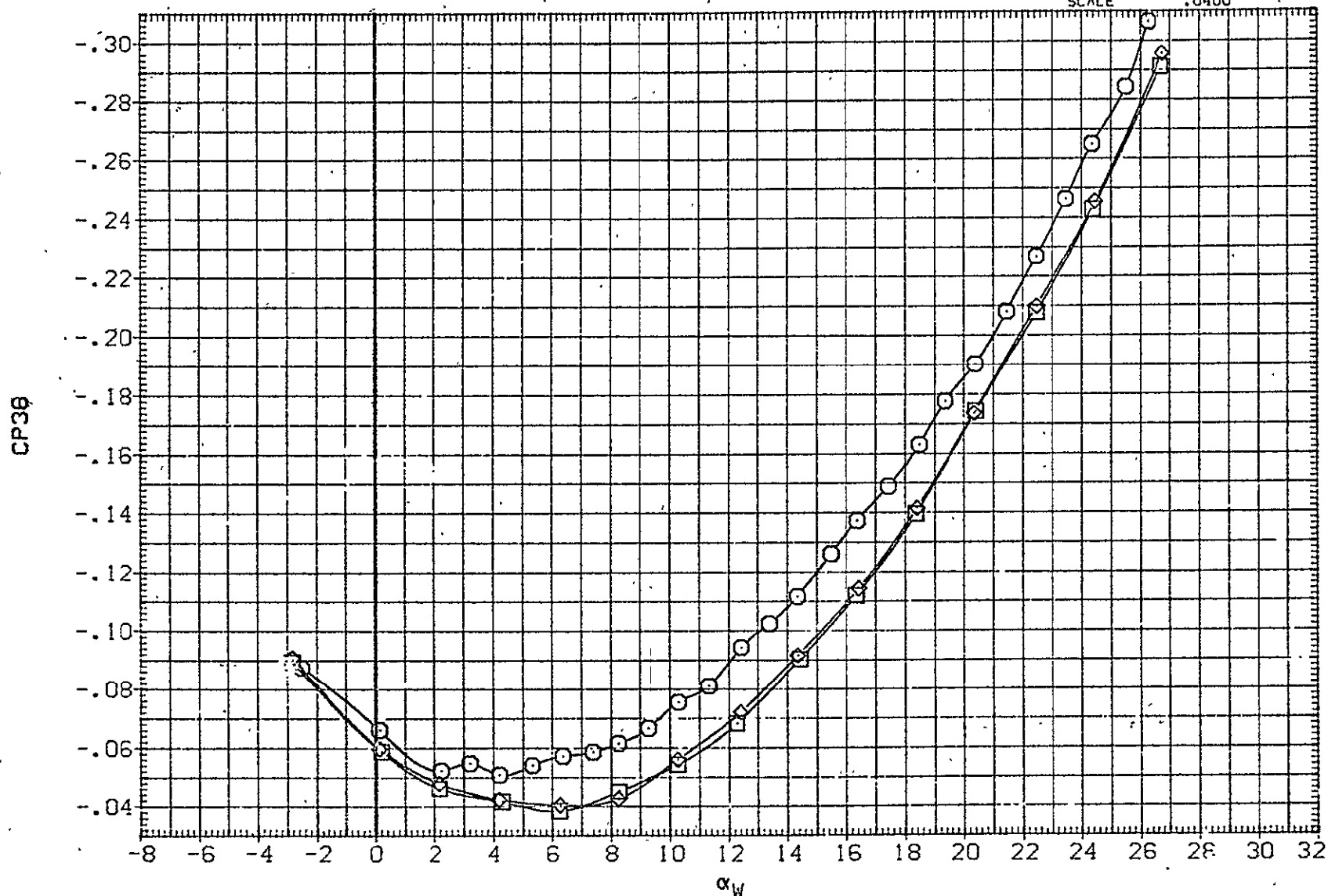


FIG 69 EFFECT OF ORB INC ON AIRSPEED AND ALTITUDE INDICATORS, FLAPS UP, TC ON
747 NOSE STATIC PRESSURES

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(QJF083)	○	(CA-8) K3V9-1.2TS5H15.6.1F20TS401
(QJF091)	□	(CA-8) K3V9-1.2TS5H15.6.1F20TS401

ELEVTR	STAB	IORB	ELEVON
.000	-2.000	6.000	-5.000
.000	-2.000	8.000	-5.000

REFERENCE INFORMATION		
SREF	5500.0000	SQ.FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMRP	1339.9100	IN.XC
YMRP	.0000	IN.YC
ZMRP	190.7500	IN.ZC
SCALE	.0400	

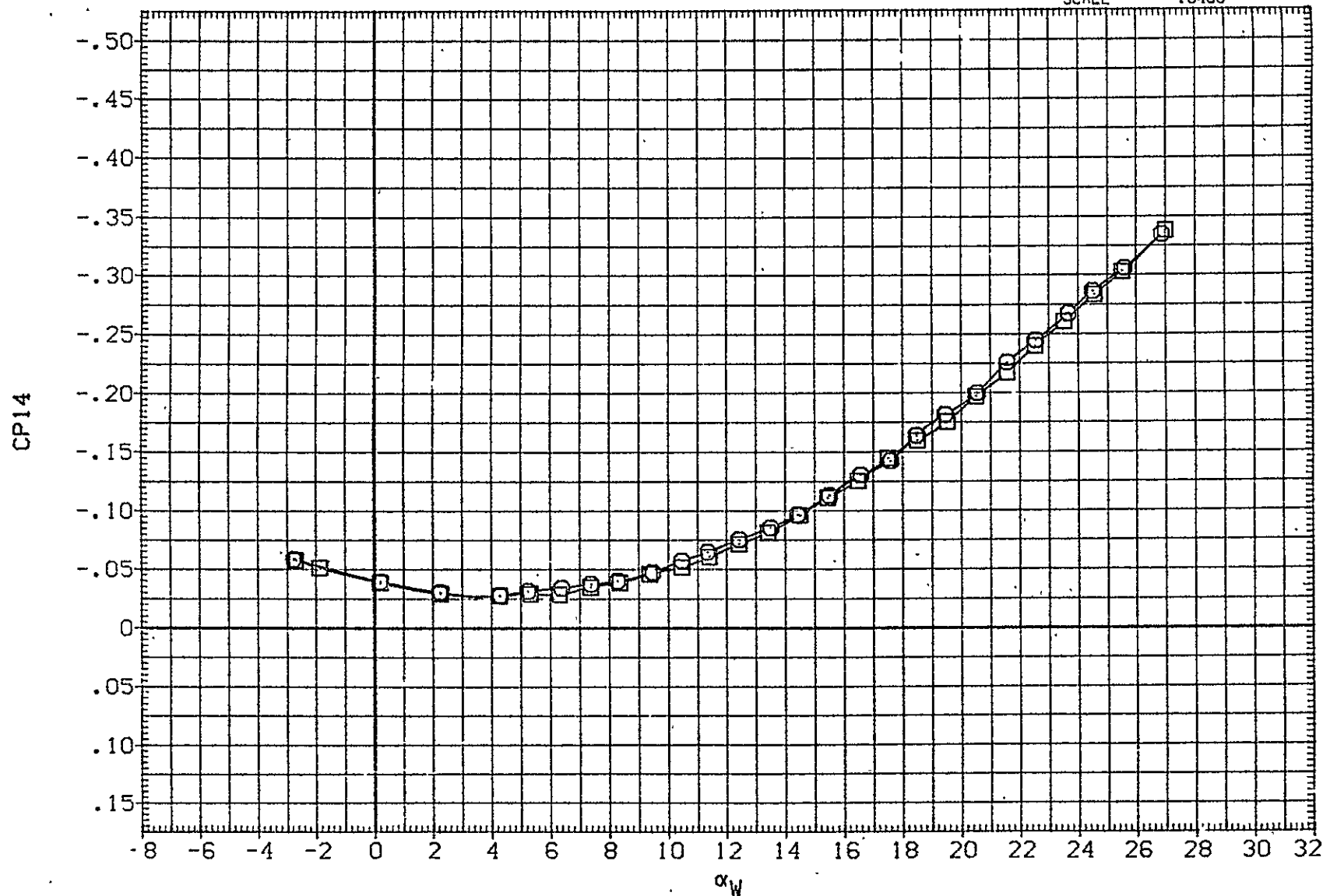


FIG 70 EFFECT OF ORB INC ON AIRSPEED AND ALTITUDE INDICATORS, FLAPS 20, TC ON
747 NOSE STATIC PRESSURES

(A)MACH = .15

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DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(QJF083)	○	(CA-8) K3V9.1.2TS5H15.6.1F20TS401
(QJF091)	□	(CA-8) K3V9.1.2TS5H15.6.1F20TS401

ELEVTR	STAB	IORB	ELEVON
.000	-2.000	6.000	-5.000
.000	-2.000	8.000	-5.000

REFERENCE INFORMATION		
SREF	5500.0000	SQ.FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMRP	1339.9100	IN.XC
YMRP	.0000	IN.YC
ZMRP	190.7500	IN.ZC
SCALE	.0400	

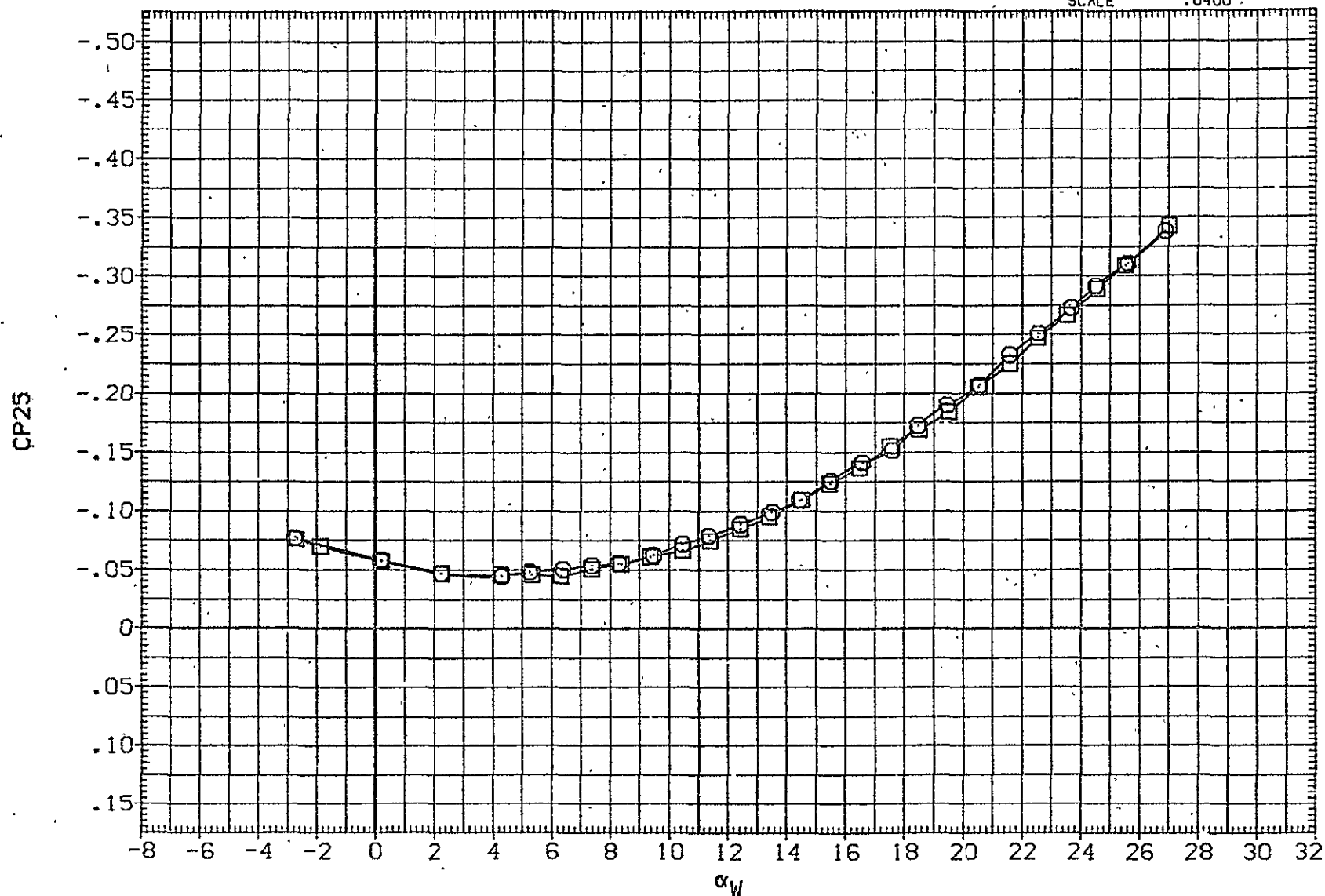


FIG 70 EFFECT OF ORB INC ON AIRSPEED AND ALTITUDE INDICATORS, FLAPS 20, TC ON 747 NOSE STATIC PRESSURES

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(QJF083)	○	(CA-8) K3V9.1.2TS5H15.6.1F20TS401
(QJF091)	□	(CA-8) K3V9.1.2TS5H15.6.1F20TS401

ELEVTR	STAB	IORB	ELEVON
.000	-2.000	6.000	-5.000
.000	-2.000	8.000	-5.000

REFERENCE INFORMATION		
SREF	5500.0000	50.FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMRR	1339.9100	IN.XC
YMRR	.0000	IN.YC
ZMRR	190.7500	IN.ZC
SCALE	.0400	

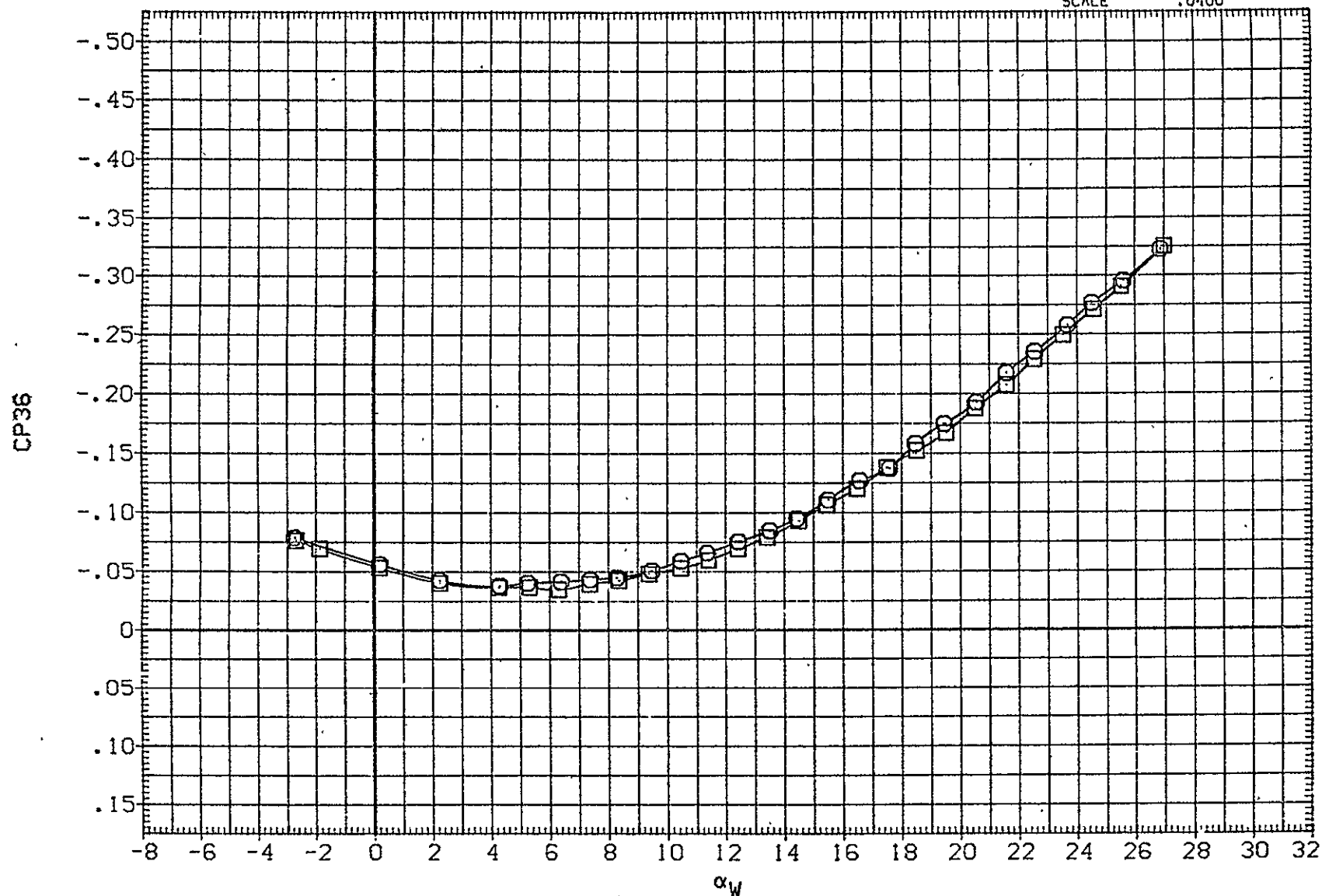


FIG 70 EFFECT OF ORB INC ON AIRSPEED AND ALTITUDE INDICATORS, FLAPS 20, TC ON
747 NOSE STATIC PRESSURES

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(QJF054)	○	(CA-8) K3V9.1.2TSSH15.6.1F30G5.3.5TS401
(QJF060)	□	(CA-8) K3V9.1.2TSSH15.6.1F30G5.3.5TS401

ELEVTR	STAB	IORB	ELEVON
.000	-2.000	6.000	-5.000
.000	-2.000	8.000	-5.000

REFERENCE INFORMATION		
SREF	5500.0000	50.FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMRP	-1339.9100	IN.XC
YMRP	.0000	IN.YC
ZMRP	190.7500	IN.ZC
SCALE	.0400	

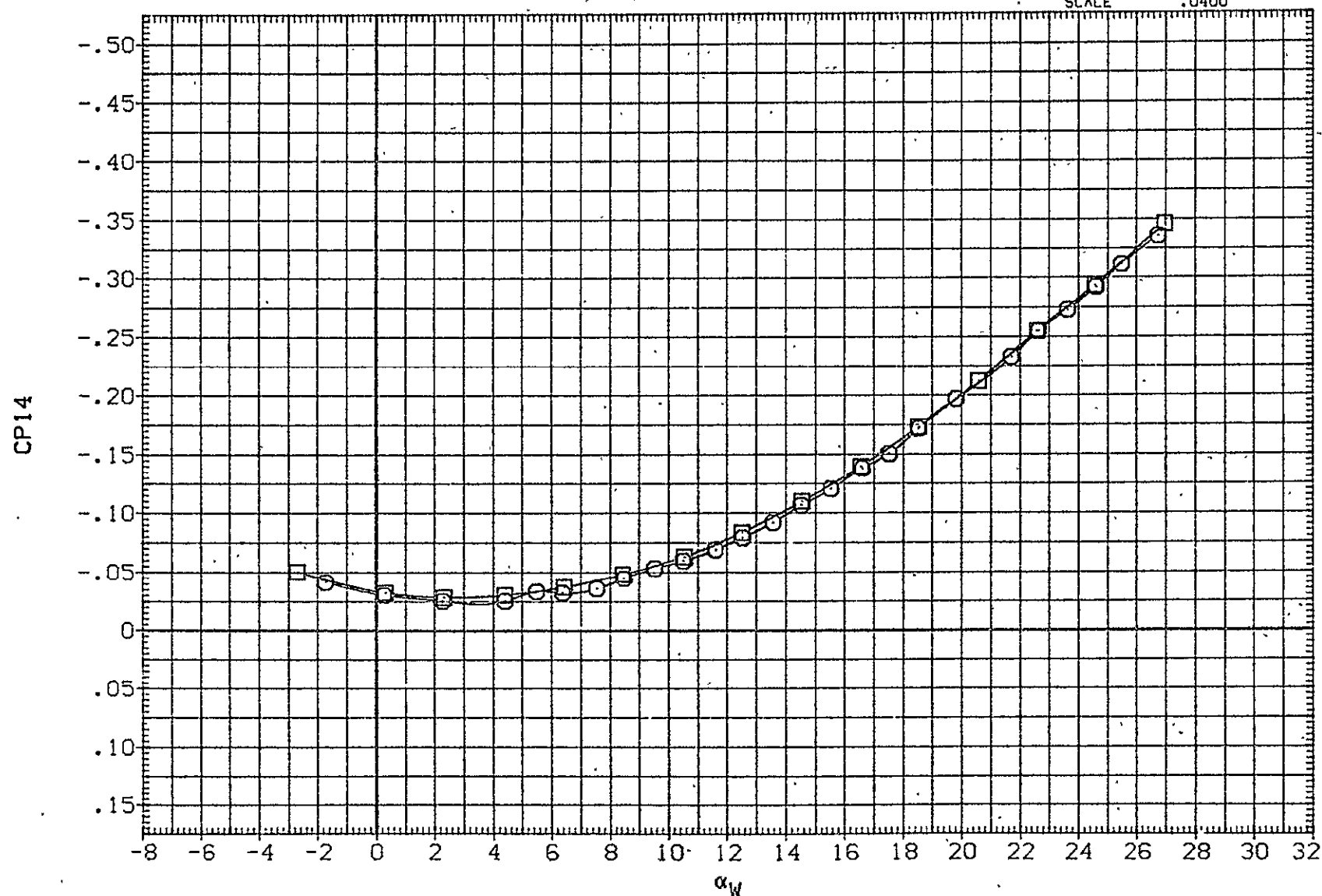


FIG 71 EFFECT OF ORB INC ON AIRSPEED AND ALTITUDE INDICATORS, FLAPS 30, TC ON 747 NOSE STATIC PRESSURES

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(QJF054)	○	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401
(QJF060)	□	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401

ELEVTR	STAB	IORB	ELEVON
.000	-2.000	6.000	-5.000
.000	-2.000	8.000	-5.000

REFERENCE INFORMATION		
SREF	5500.0000	50.FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMRP	1339.9100	IN.XC
YMRP	.0000	IN.YC
ZMRP	190.7500	IN.ZC
SCALE	.0400	

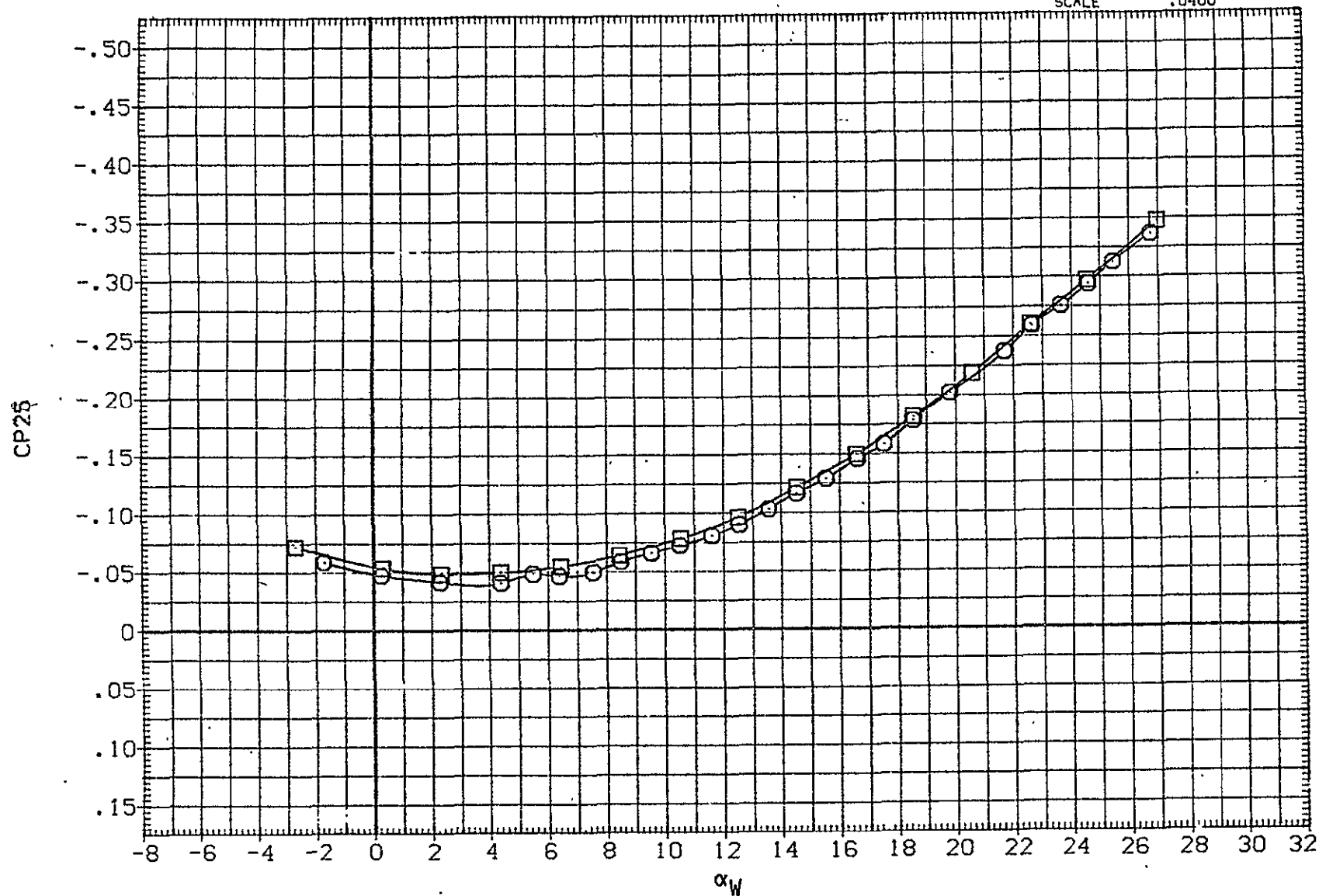


FIG 71 EFFECT OF ORB INC ON AIRSPEED AND ALTITUDE INDICATORS, FLAPS 30, TC ON 747 NOSE STATIC PRESSURES

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(QJF054)	○	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401
(QJF060)	□	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401

ELEVTR	STAB	IORB	ELEVON
.000	-2.000	6.000	-5.000
.000	-2.000	8.000	-5.000

REFERENCE INFORMATION		
SREF	9500.0000	SO. FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMRP	1339.9100	IN. XC
YMRP	.0000	IN. YC
ZMRP	190.7500	IN. ZC
SCALE	.0400	

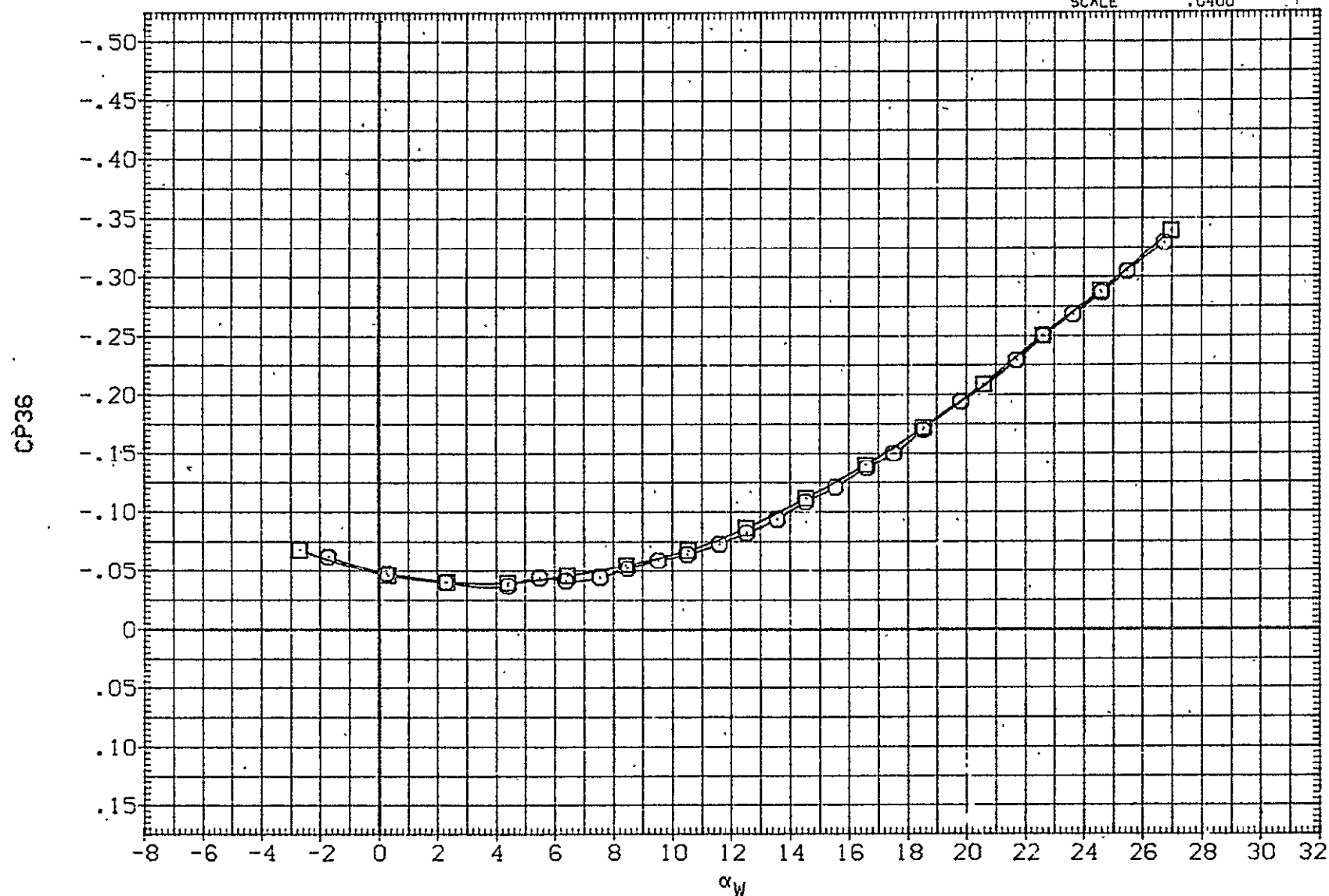


FIG 71 EFFECT OF ORB INC ON AIRSPEED AND ALTITUDE INDICATORS, FLAPS 30, TC ON 747 NOSE STATIC PRESSURES.

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(QJF106)	○	(CA-8) K3V9.1.2TSSH15.6.1F10TS402
(QJF112)	□	(CA-8) K3V9.1.2TSSH15.6.1F10TS402

ELEVTR	STAB	IORB	ELEVON
.000	-2.000	6.000	-5.000
.000	-2.000	8.000	-5.000

REFERENCE INFORMATION		
SREF	5500.0000	50.FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMRP	1339.9100	IN.XC
YMRP	.0000	IN.YC
ZMRP	190.7500	IN.ZC
SCALE	.0400	

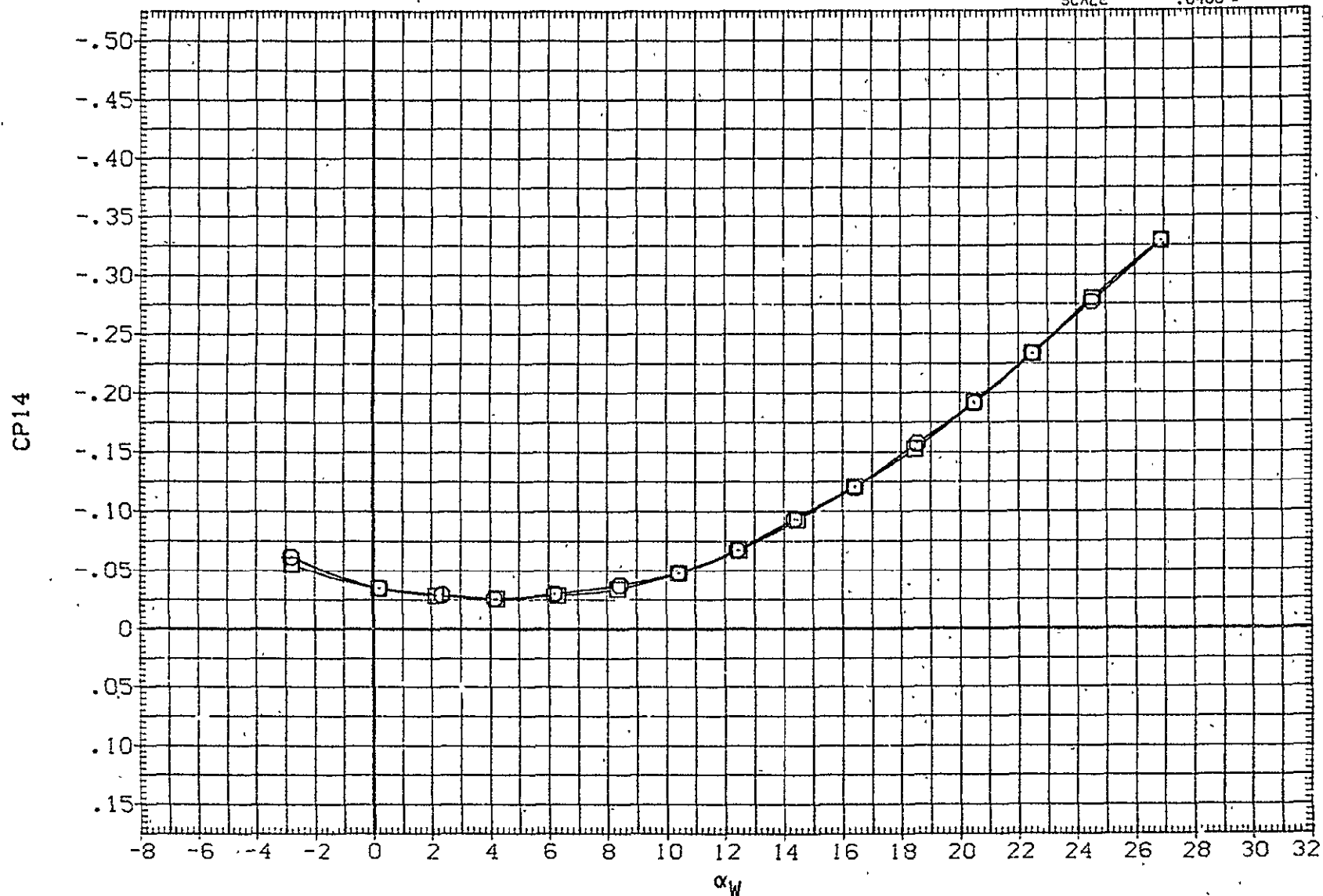


FIG 72 EFFECT OF ORB INC ON AIRSPEED AND ALTITUDE INDICATORS, FLAPS 10, TC OFF
747 NOSE STATIC PRESSURES

(A)MACH = .15

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DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(QJF106)	□	(CA-8) K3V9.1.2TS5H15.6.1F10TS402
(QJF112)	□	(CA-8) K3V9.1.2TS5H15.6.1F10TS402

ELEVTR	STAB.	IORB	ELEVON
.000	-2.000	6.000	-5.000
.000	-2.000	8.000	-5.000

REFERENCE INFORMATION		
SREF	5500.0000	SG.FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XM RP	1339.9100	IN.XC
YM RP	.0000	IN.YC
ZM RP	190.7500	IN.ZC
SCALE	.0400	

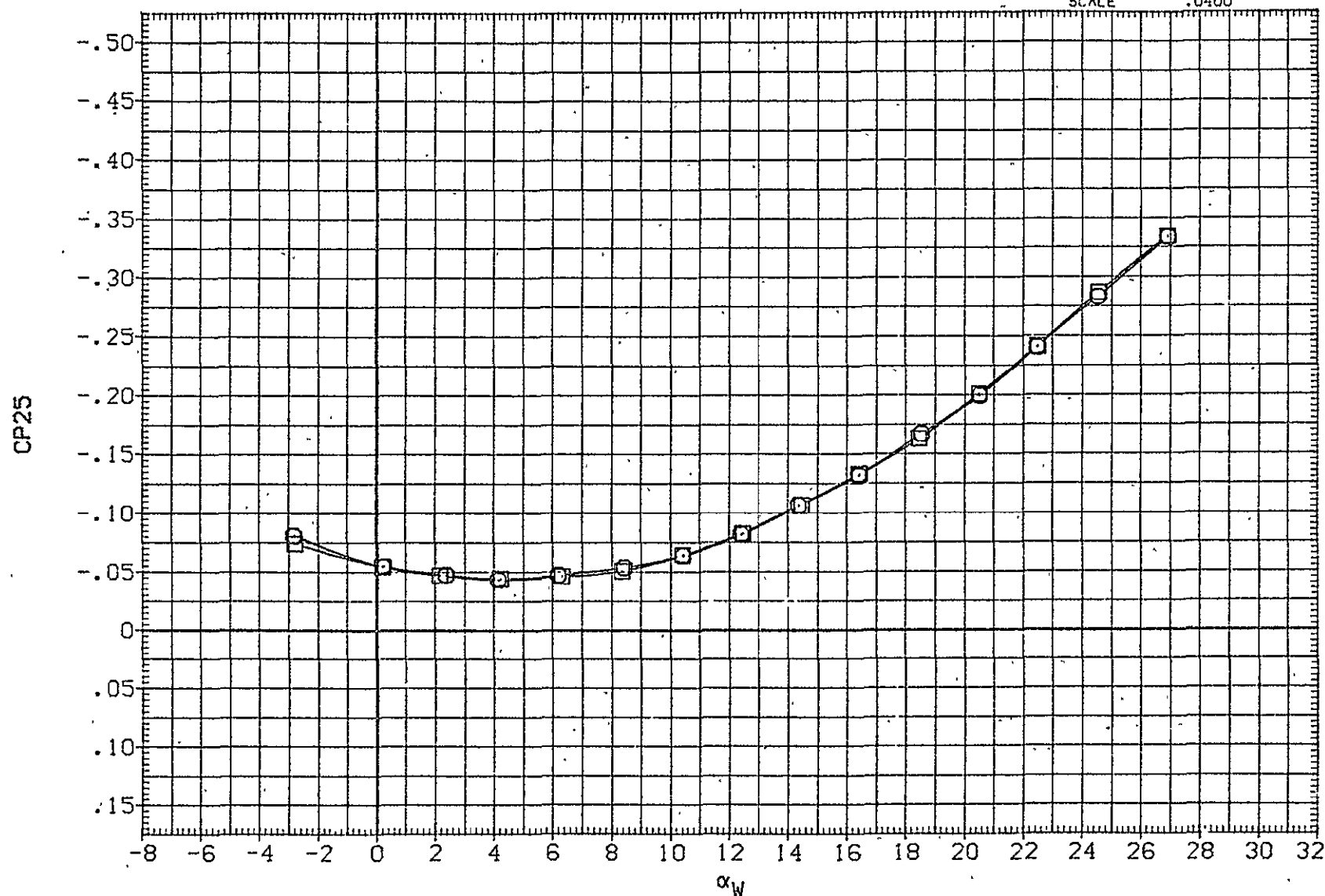


FIG 72 EFFECT OF ORB INC ON AIRSPEED AND ALTITUDE INDICATORS, FLAPS 10, TC OFF
747 NOSE STATIC PRESSURES

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(QJF106)	○	(CA-8) K3V9.1.2T55H15.6.1F10TS402
(QJF112)	□	(CA-8) K3V9.1.2T55H15.6.1F10TS402

ELEVTR	STAB	IORB	ELEVON
.000	-2.000	6.000	-5.000
.000	-2.000	8.000	-5.000

REFERENCE INFORMATION	
SREF	5500.0000 SQ.FT.
LREF	327.8000 IN.
BREF	2348.0000 IN.
XMRP	1339.9100 IN.XC
YMRP	.0000 IN.YC
ZMRP	190.7500 IN.ZC
SCALE	.0400

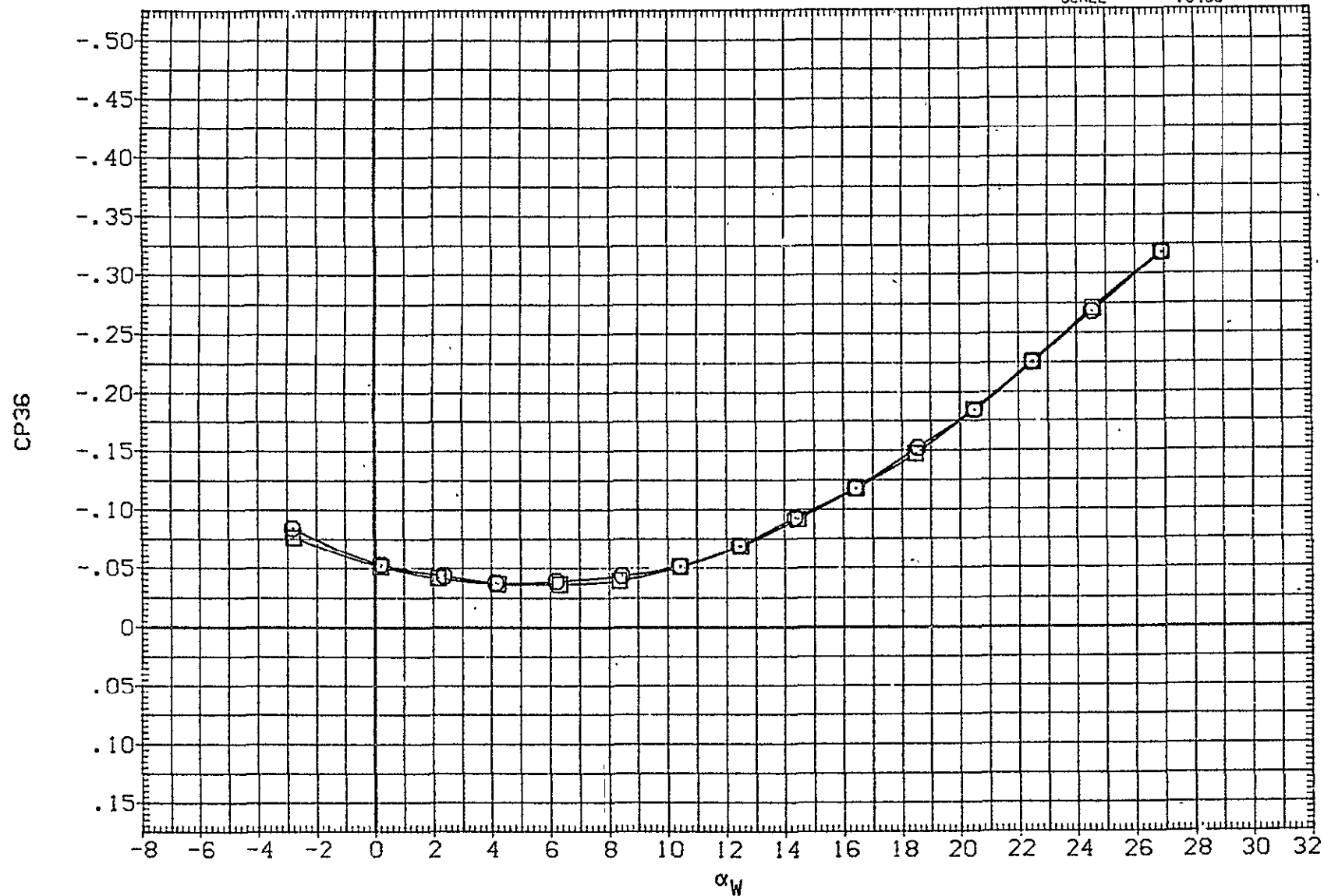




FIG 72 EFFECT OF ORB INC ON AIRSPEED AND ALTITUDE INDICATORS, FLAPS 10, TC OFF
747 NOSE STATIC PRESSURES

(A)MACH = .15

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DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (QJF067)  (CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402
 (QJF075)  (CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402

ELEVTR	STAB	IORB	ELEVON
.000	-2.000	6.000	-5.000
.000	-2.000	8.000	-5.000

REFERENCE INFORMATION		
SREF	5500.0000	SQ.FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMRP	1339.9100	IN.XC
YMRP	.0600	IN.YC
ZMRP	190.7500	IN.ZC
SCALE	.0400	

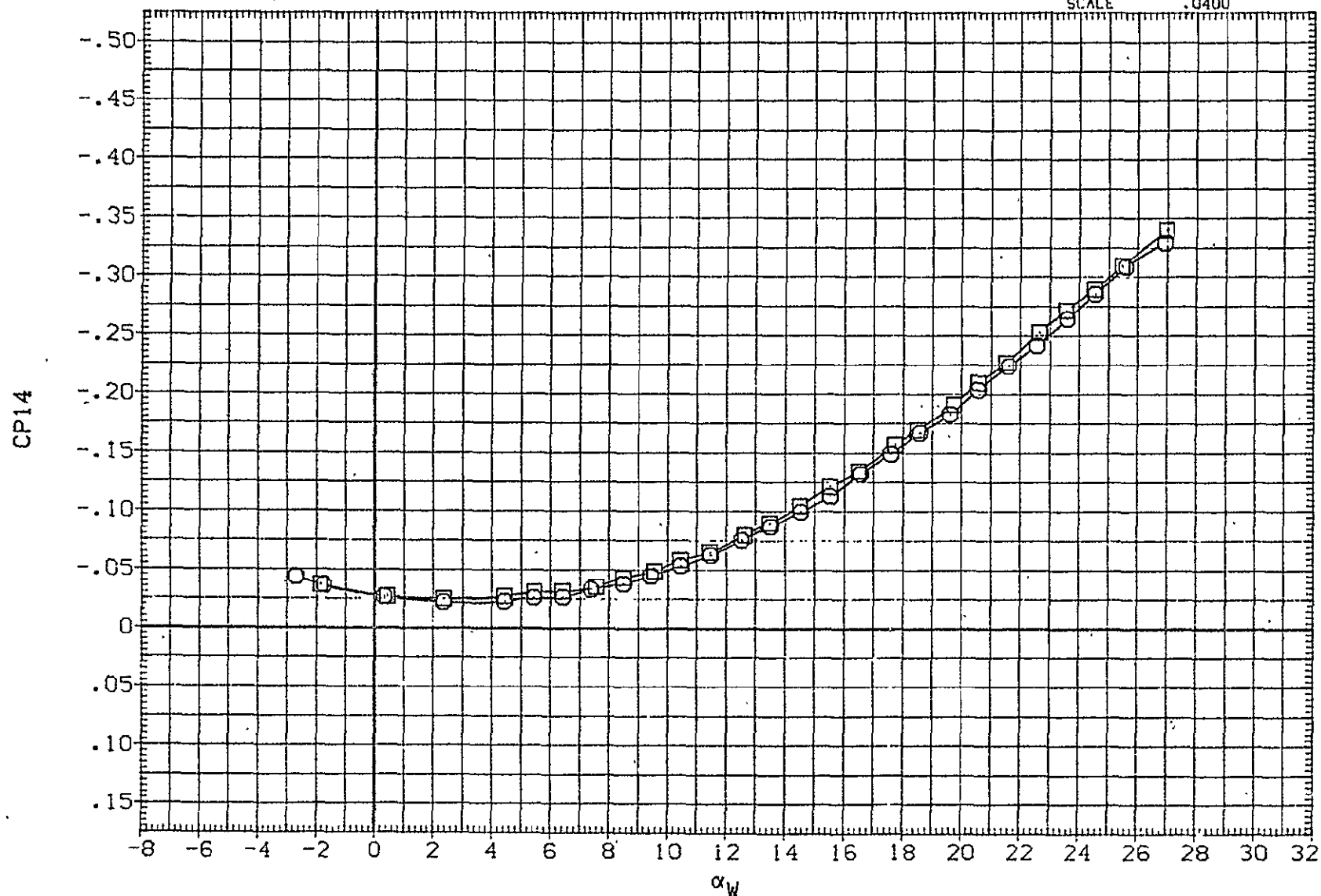


FIG 73 EFFECT OF ORB INC ON AIRSPEED AND ALTITUDE INDICATORS, FLAPS 30, TC OFF
 747 NOSE STATIC PRESSURES

(A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(QJF067)	○	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402
(QJF075)	□	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402

ELEVTR	STAB	IORB	ELEVON
.000	-2.000	6.000	-5.000
.000	-2.000	8.000	-5.000

REFERENCE INFORMATION		
SREF	5500.0000	50.FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMRP	1339.9100	IN.XC
YMRP	.0000	IN.YC
ZMRP	190.7500	IN.ZC
SCALE	.0400	

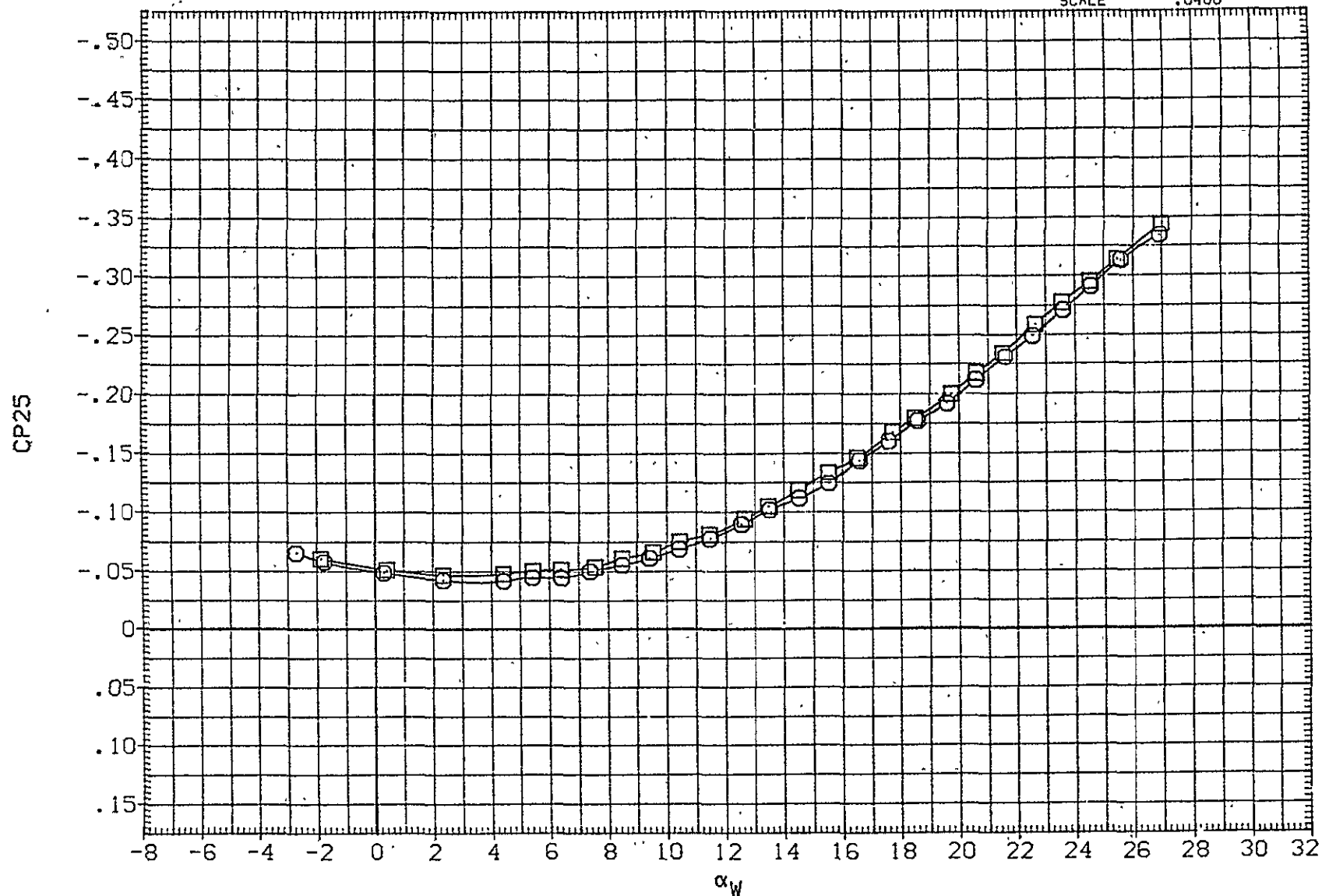


FIG 73 EFFECT OF ORB INC ON AIRSPEED AND ALTITUDE INDICATORS, FLAPS 30, TC OFF
747 NOSE STATIC PRESSURES

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(QJF067)	○	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402
(QJF075)	□	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402

ELEVTR	STAB	IORB	ELEVON
.000	-2.000	6.000	-5.000
.000	-2.000	8.000	-5.000

REFERENCE INFORMATION		
SREF	5500.0000	50. FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMRP	1339.9100	IN. XC
YMRP	.0000	IN. YC
ZMRP	190.7500	IN. ZC
SCALE	.0400	

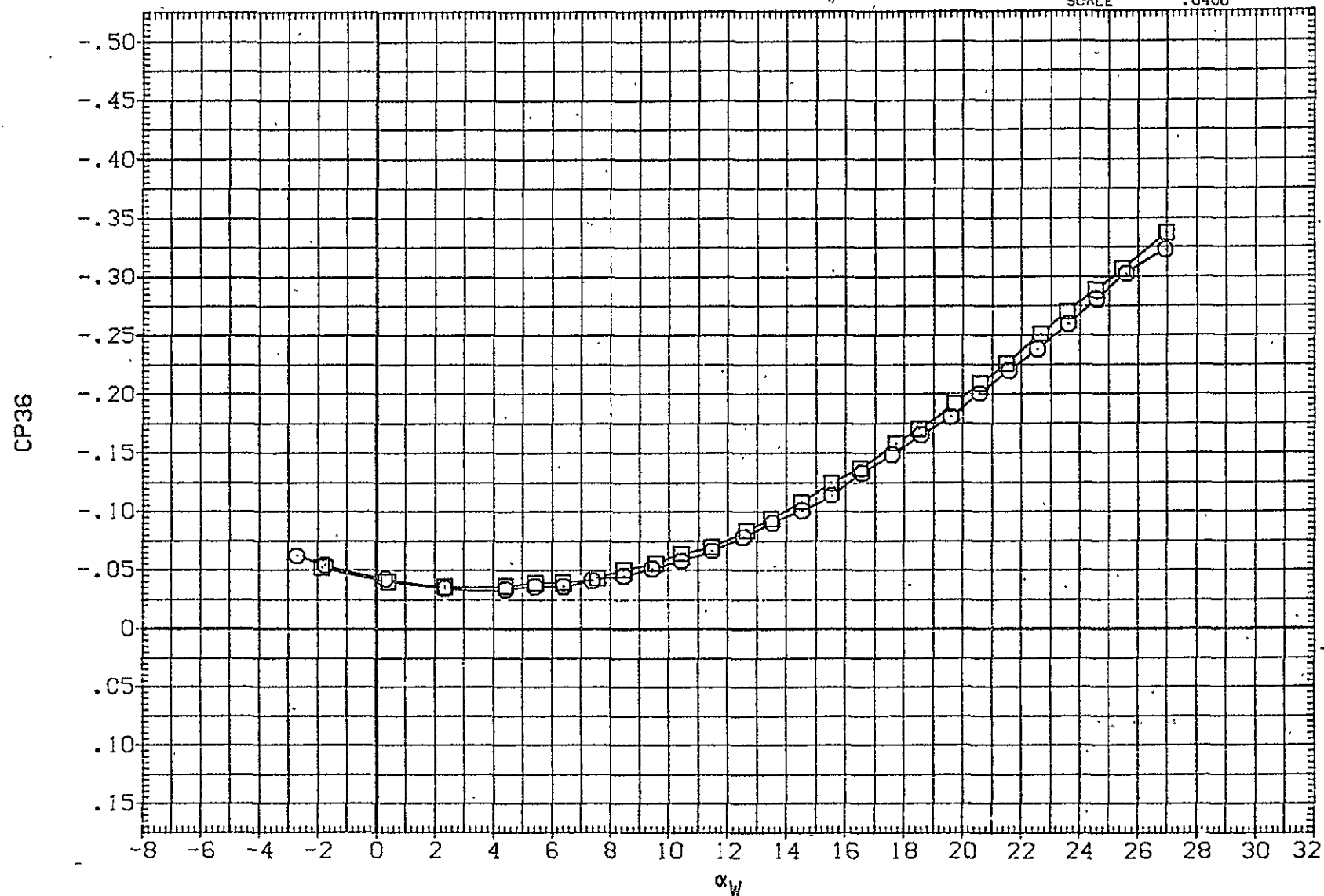


FIG 73 EFFECT OF ORB INC ON AIRSPEED AND ALTITUDE INDICATORS, FLAPS 30, TC OFF
747 NOSE STATIC PRESSURES

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	IORB	ELEVON	REFERENCE INFORMATION		
(QJF083)	□	(CA-8) K3V9.1.2TS5H15.6.1F20TS401	.000	-2.000	6.000	-5.000	SREF	5500.0000	SO.FT.
(QJF079)	□	(CA-8) K3V9.1.2TS5H15.6.1F20 TS402	.000	-2.000	6.000	-5.000	LREF	327.8000	IN.
							BREF	2348.0000	IN.
							XMRP	1339.9100	IN.XC
							YMRP	.0000	IN.YC
							ZMRP	190.7500	IN.ZC
							SCALE	.0400	

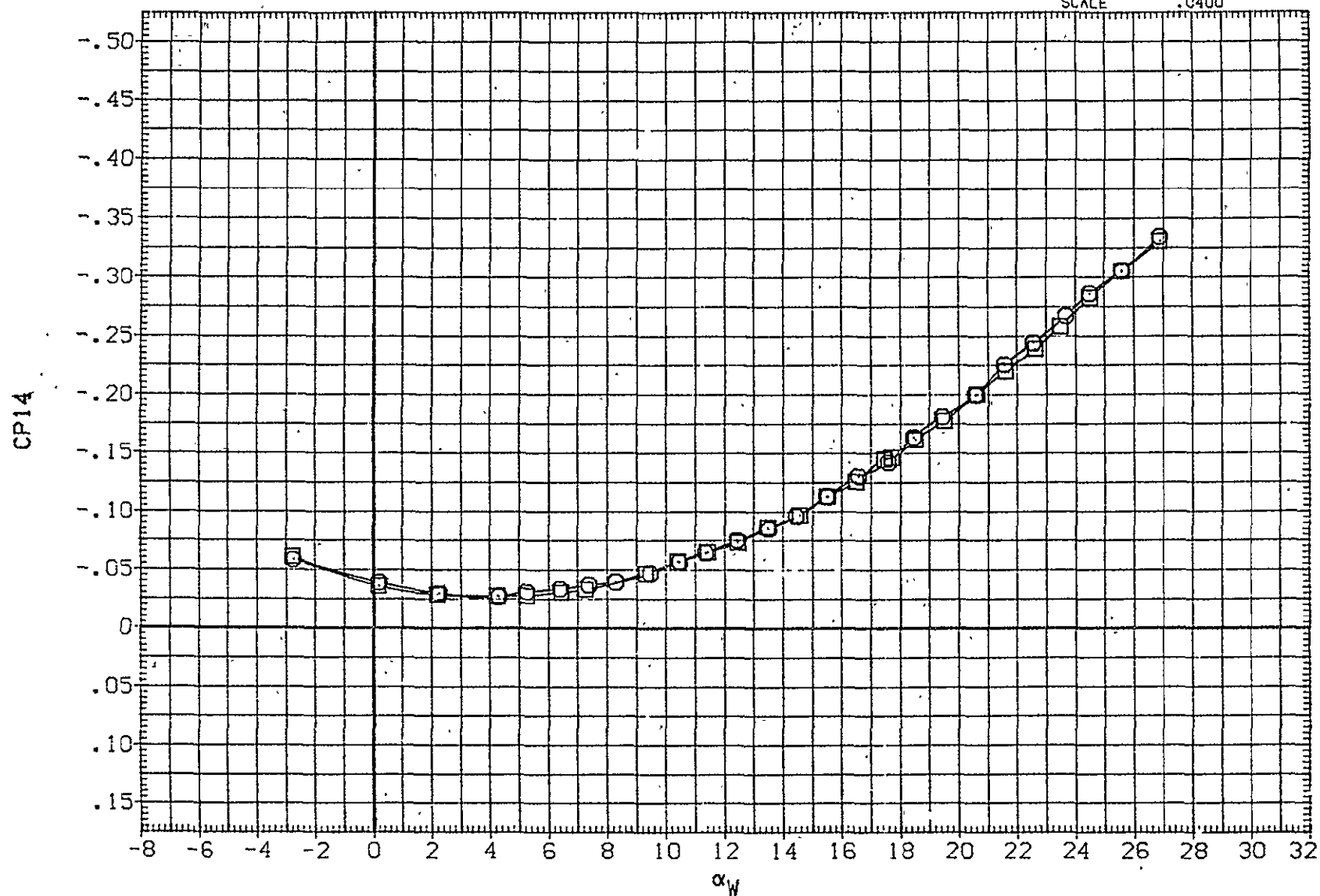


FIG 74 EFFECT OF TAIL CONE ON AIRSPEED AND ALTITUDE INDICATORS, FLAPS 20
747 NOSE STATIC PRESSURES

(A) MACH = .15

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	10RB	ELEVON	REFERENCE INFORMATION	
(QJF083)	○	(CA-8) K3V9.1.2TSSH15.6.1F20TS401	.000	-2.000	6.000	-5.000	SREF	5500.0000 SO. FT.
(QJF079)	□	(CA-8) K3V9.1.2TSSH15.6.1F20 TS402	.000	-2.000	6.000	-5.000	LREF	327.8000 IN.
							BREF	2348.0000 IN.
							XMRP	1339.9100 IN. XC
							YMRP	.0000 IN. YC
							ZMRP	190.7500 IN. ZC
							SCALE	.0400

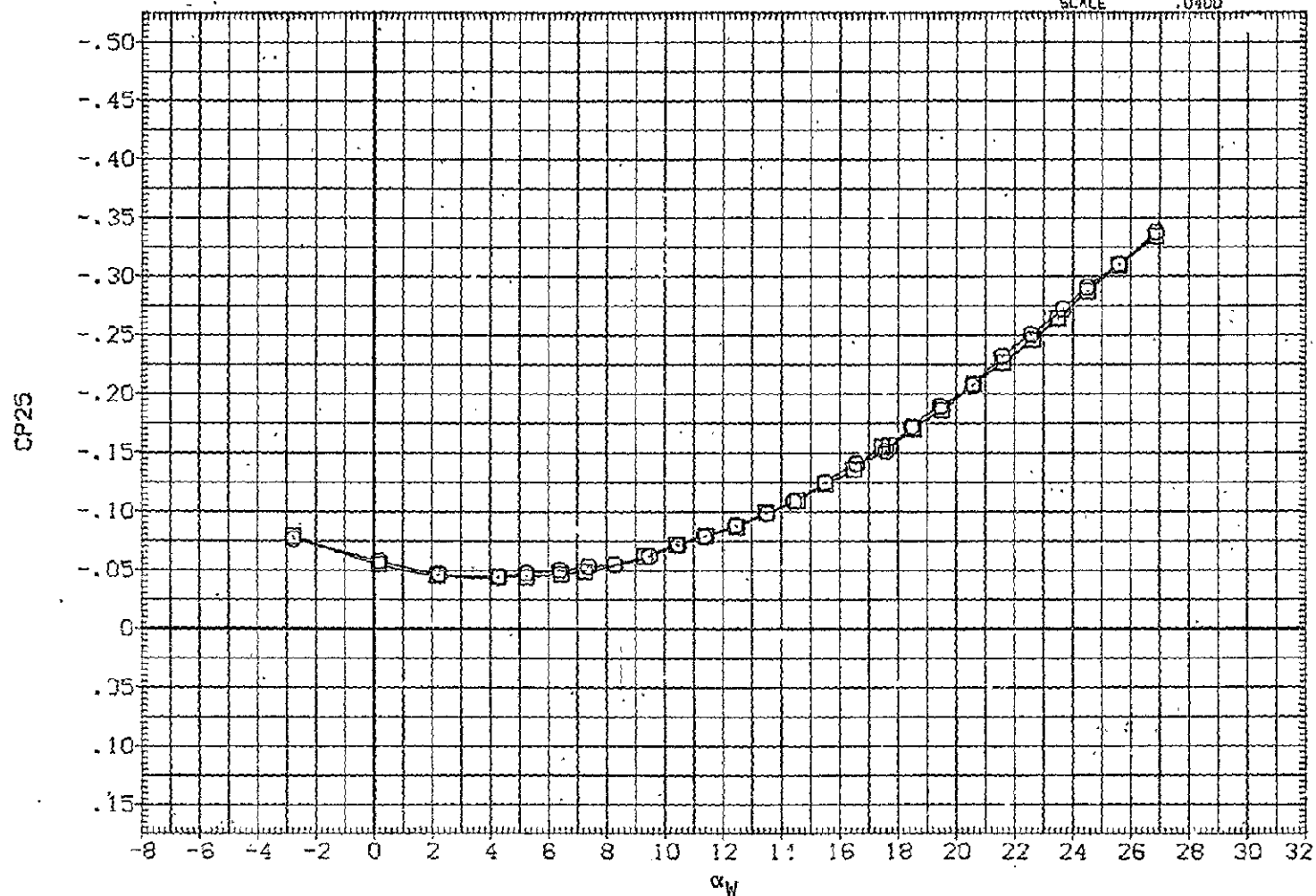


FIG 74 EFFECT OF TAIL CONE ON AIRSPEED AND ALTITUDE INDICATORS. FLAPS 20
747 NOSE STATIC PRESSURES
(A)MACH = .15 PAGE 267

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(QJF083)	○	(CA-8) K3V9.1.2TS5H15.6.1F20TS401
(QJF079)	□	(CA-8) K3V9.1.2TS5H15.6.1F20 TS402

ELEVTR	STAB	IORB	ELEVON	REFERENCE INFORMATION	
.000	-2.000	6.000	-5.000	SREF	5500.0000 SQ.FT.
.000	-2.000	6.000	-5.000	LREF	327.8000 IN.
				BREF	2348.0000 IN.
				XMRP	1339.9100 IN.XC
				YMRP	.0000 IN.YC
				ZMRP	190.7500 IN.ZC
				SCALE	.0400

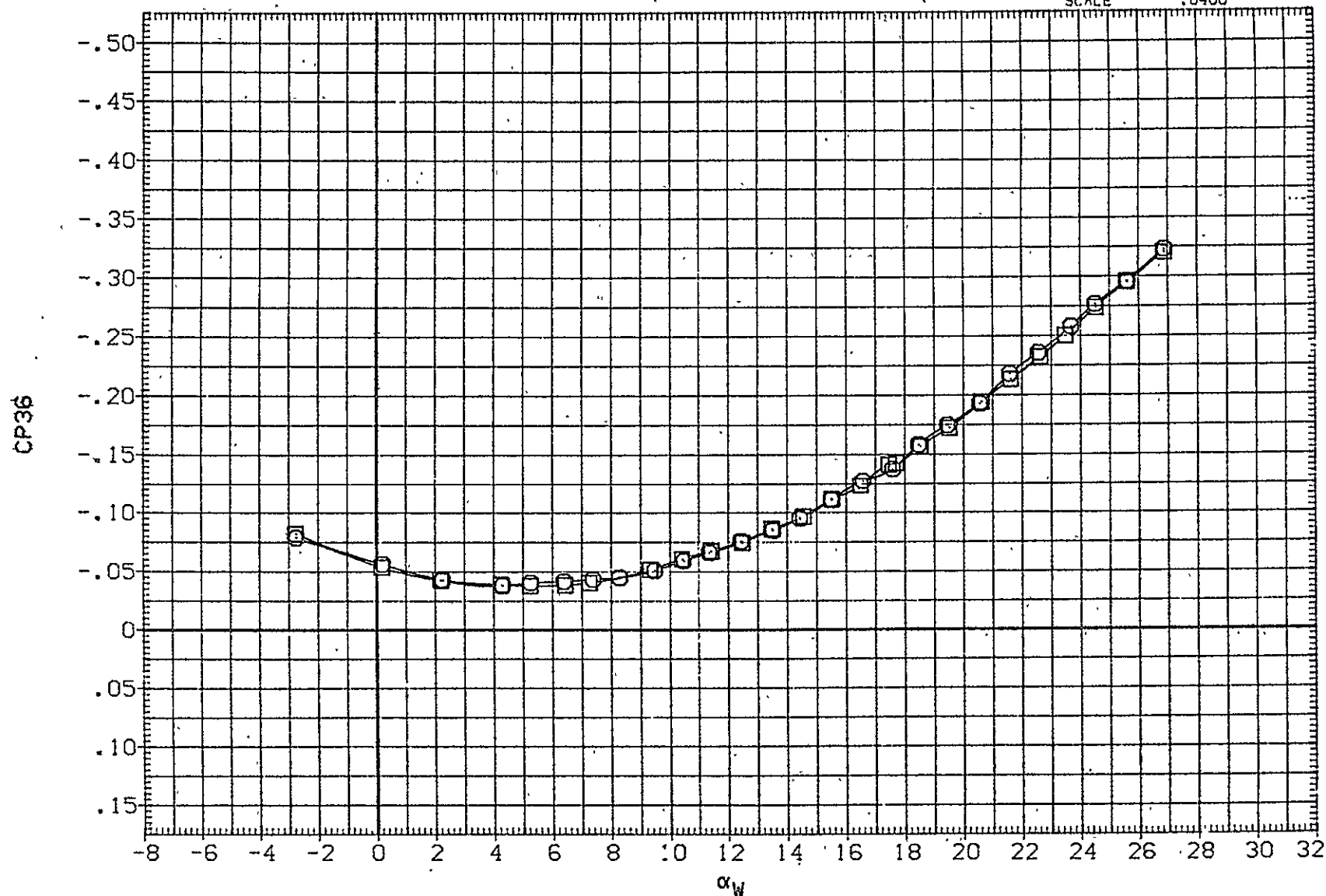


FIG 74 EFFECT OF TAIL CONE ON AIRSPEED AND ALTITUDE INDICATORS. FLAPS 20
747 NOSE STATIC PRESSURES

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(QJF054)	○	(CA-8) K3V9.1.2TSSH15.6.1F3065.3.5TS401
(QJF067)	□	(CA-8) K3V9.1.2TSSH15.6.1F3065.3.5TS402

ELEVTR	STAB	IORB	ELEVON
.000	-2.000	6.000	-5.000
.000	-2.000	6.000	-5.000

REFERENCE INFORMATION		
SREF	5500.0000	SQ.FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMRP	1339.9100	IN.XC
YMRP	.0000	IN.YC
ZMRP	190.7500	IN.ZC
SCALE	.0400	

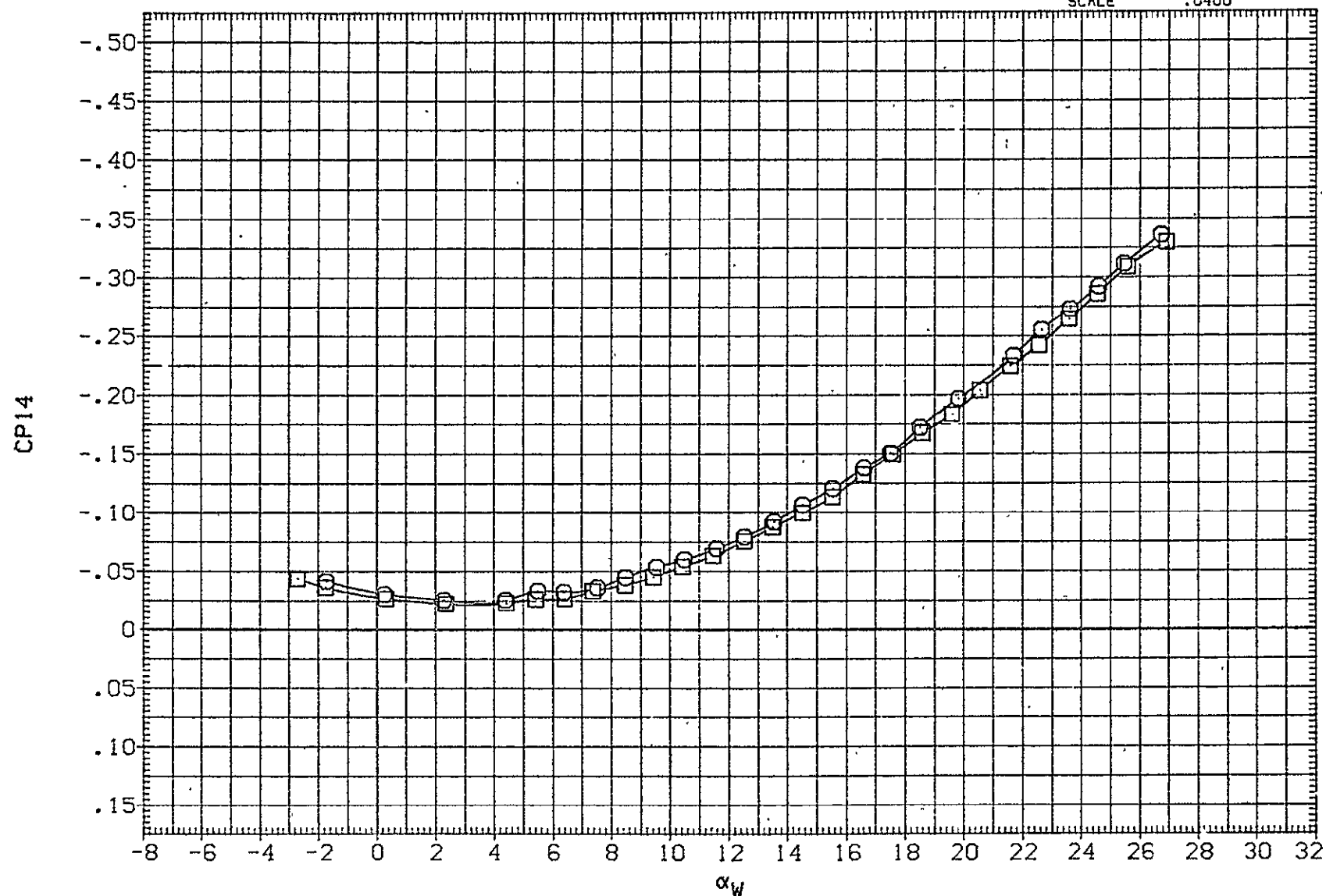


FIG 75 EFFECT OF TAIL CONE ON AIRSPEED AND ALTITUDE INDICATORS, FLAPS 30
747 NOSE STATIC PRESSURES

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(QJF054)	○	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401
(QJF067)	□	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402

ELEVTR	STAB	IORB	ELEVON	REFERENCE INFORMATION	
.000	-2.000	6.000	-5.000	SREF	5500.0000 SQ.FT.
.000	-2.000	6.000	-5.000	LREF	327.8000 IN.
				BREF	2348.0000 IN.
				XMRP	1339.9100 IN.XC
				YMRP	.0000 IN.YC
				ZMRP	190.7500 IN.ZC
				SCALE	.0400

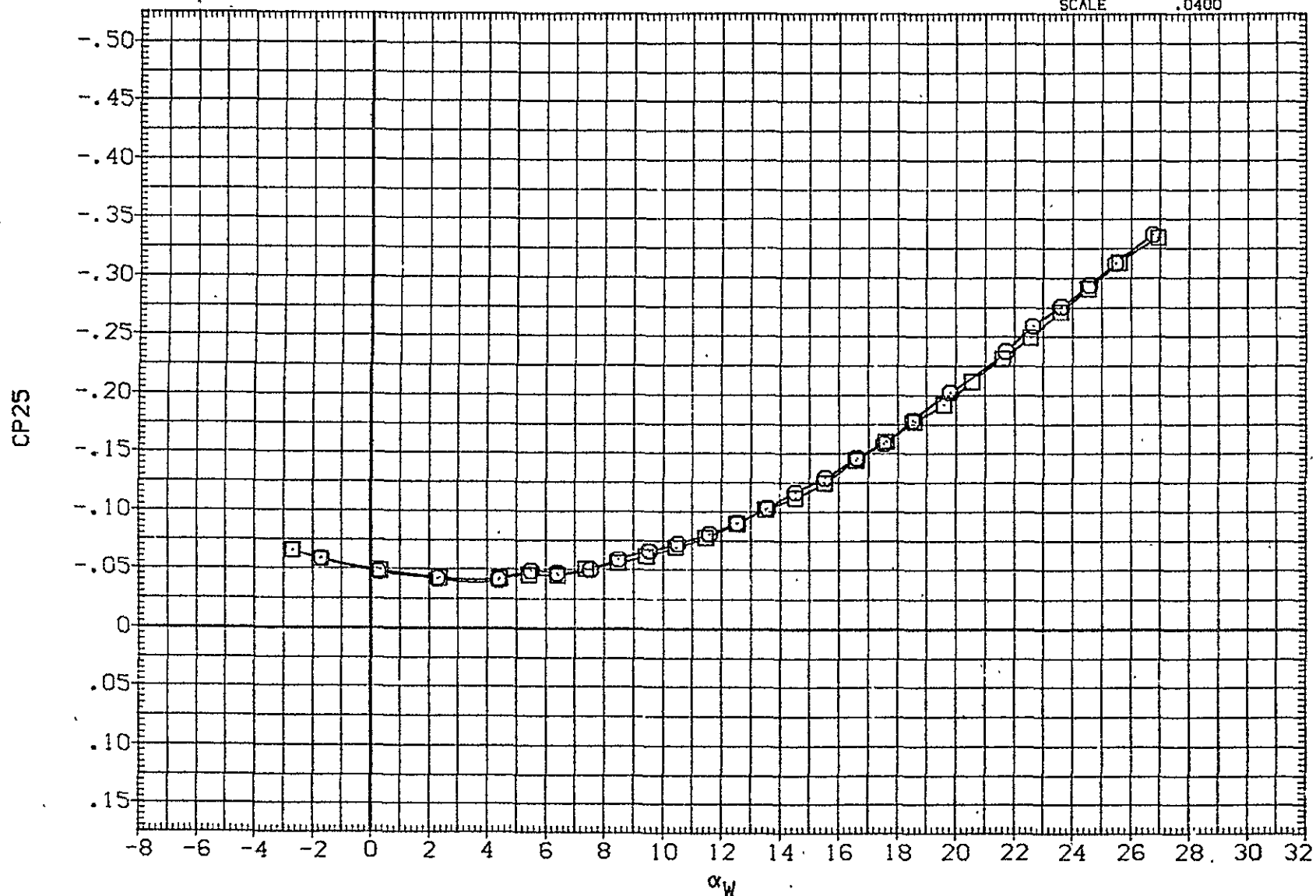


FIG 75 EFFECT OF TAIL CONE ON AIRSPEED AND ALTITUDE INDICATORS, FLAPS 30
747 NOSE STATIC PRESSURES

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	IORB	ELEVON	REFERENCE INFORMATION		
(QJF054)	○	(CA-8) K3V9.1.2TS5H15.6.1F3065.3.5TS401	.000	-2.000	6.000	-5.000	SREF	5500.0000	SQ.FT.
(QJF067)	□	(CA-8) K3V3.1.2TS5H15.6.1F3065.3.5TS402	.000	-2.000	6.000	-5.000	LREF	327.8000	IN.
							BREF	2348.0000	IN.
							XM RP	1339.9100	IN.XC
							YM RP	.0000	IN.YC
							ZM RP	190.7500	IN.ZC
							SCALE	.0400	

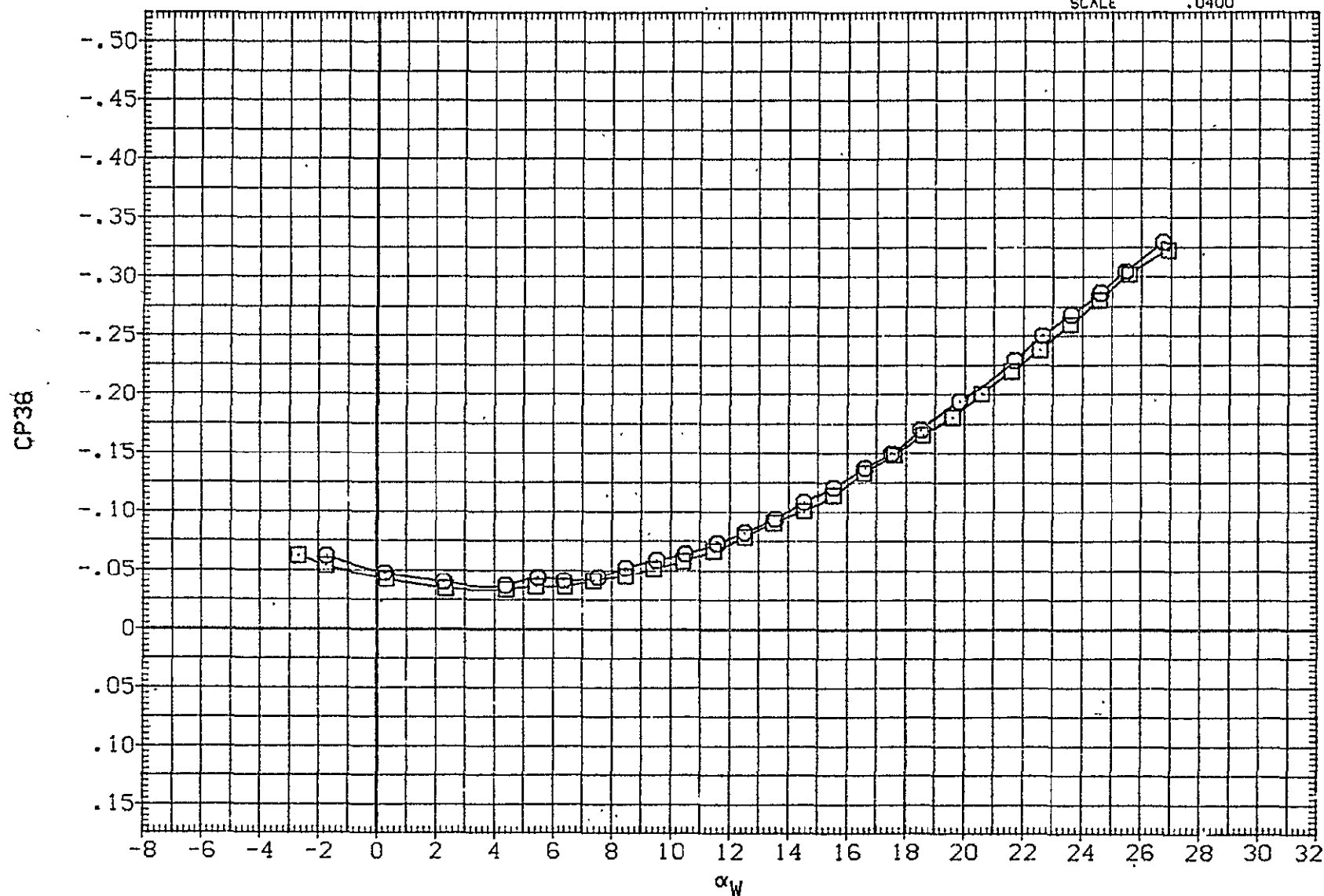


FIG 75 EFFECT OF TAIL CONE ON AIRSPEED AND ALTITUDE INDICATORS, FLAPS 30
747 NOSE STATIC PRESSURES

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(RJF157)	□	(CA-8) K2.1TS7 F30TS401G5.3.5	.235	3.000	-11.700	.000	SREF	5500.0000	50.FT.
(RJF158)	◇	(CA-8) K2.1TS7 F30TS401G5.3.5	4.200	3.000	-11.700	.000	LREF	327.8000	IN.
(RJF159)	△	(CA-8) K2.1TS7 F30TS401G5.3.5	6.165	3.000	-11.700	.000	BREF	2348.0000	IN.
(RJF160)	△	(CA-8) K2.1TS7 F30TS401G5.3.5	8.112	3.000	-11.700	.000	XMRP	1339.9100	IN.XC
(RJF161)	△	(CA-8) K2.1TS7 F30TS401G5.3.5	10.252	3.000	-11.700	.000	YMRP	.0000	IN.YC
(RJF162)	△	(CA-8) K2.1TS7 F30TS401G5.3.5	12.237	3.000	-11.700	.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

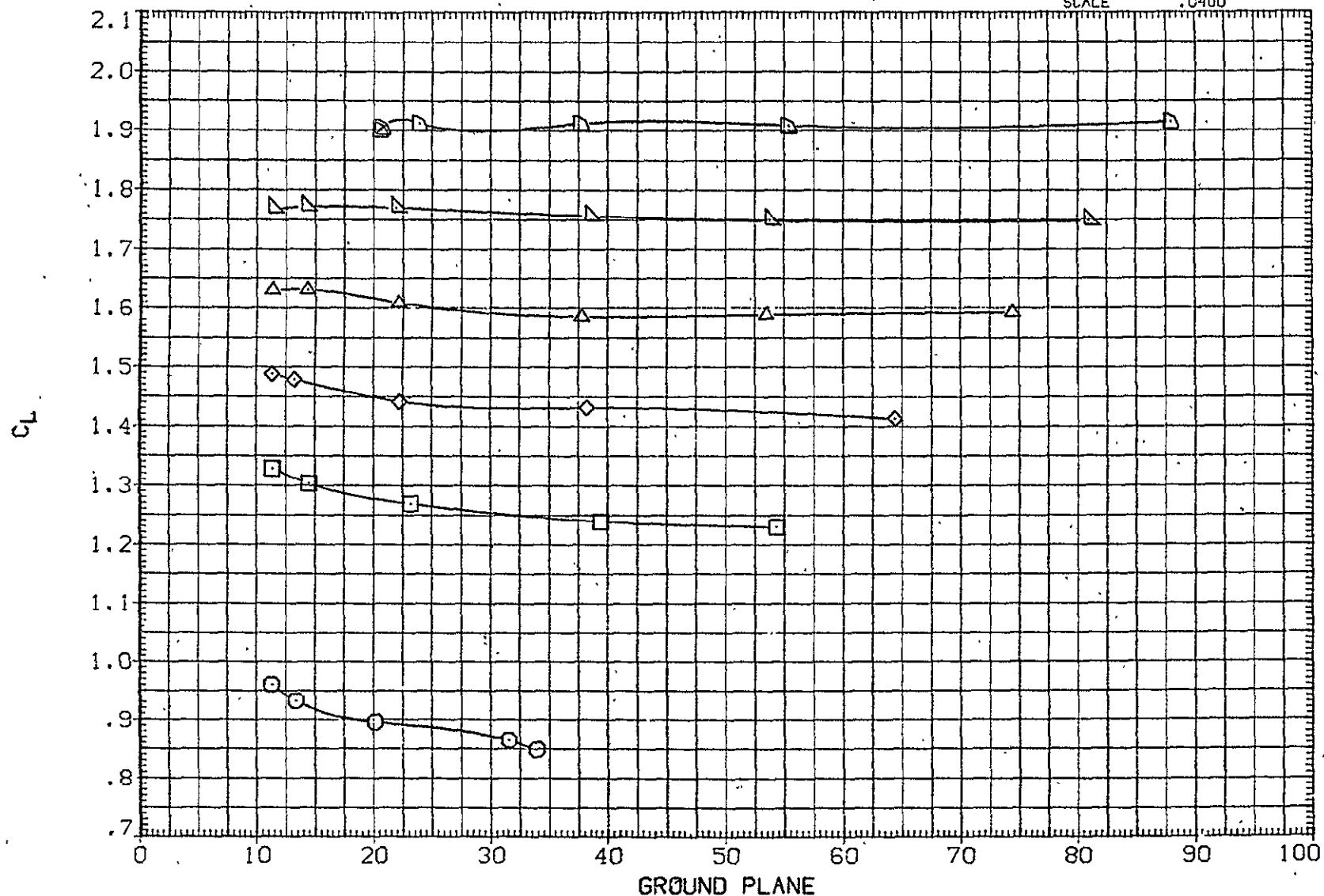


FIG 76 FERRY CON. IN GROUND PROXIMITY, HORIZ OFF, IORB = 3, TC ON
MAIN BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	IORB	BOFLAP	ELEVON	REFERENCE INFORMATION		
(RJF157)	○	(CA-8) K2.1TS7 F30TS40165.3.5	.235	3.000	-11.700	.000	SREF	5500.0000	SQ.FT.
(RJF158)	□	(CA-8) K2.1TS7 F30TS40165.3.5	4.200	3.000	-11.700	.000	LREF	327.8000	IN.
(RJF159)	◇	(CA-8) K2.1TS7 F30TS40165.3.5	6.165	3.000	-11.700	.000	BREF	2348.0000	IN.
(RJF160)	△	(CA-8) K2.1TS7 F30TS40165.3.5	8.112	3.000	-11.700	.000	XMRP	1339.9100	IN.XC
(RJF161)	▽	(CA-8) K2.1TS7 F30TS40165.3.5	10.252	3.000	-11.700	.000	YMRP	.0000	IN.YC
(RJF162)	◻	(CA-8) K2.1TS7 F30TS40165.3.5	12.237	3.000	-11.700	.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

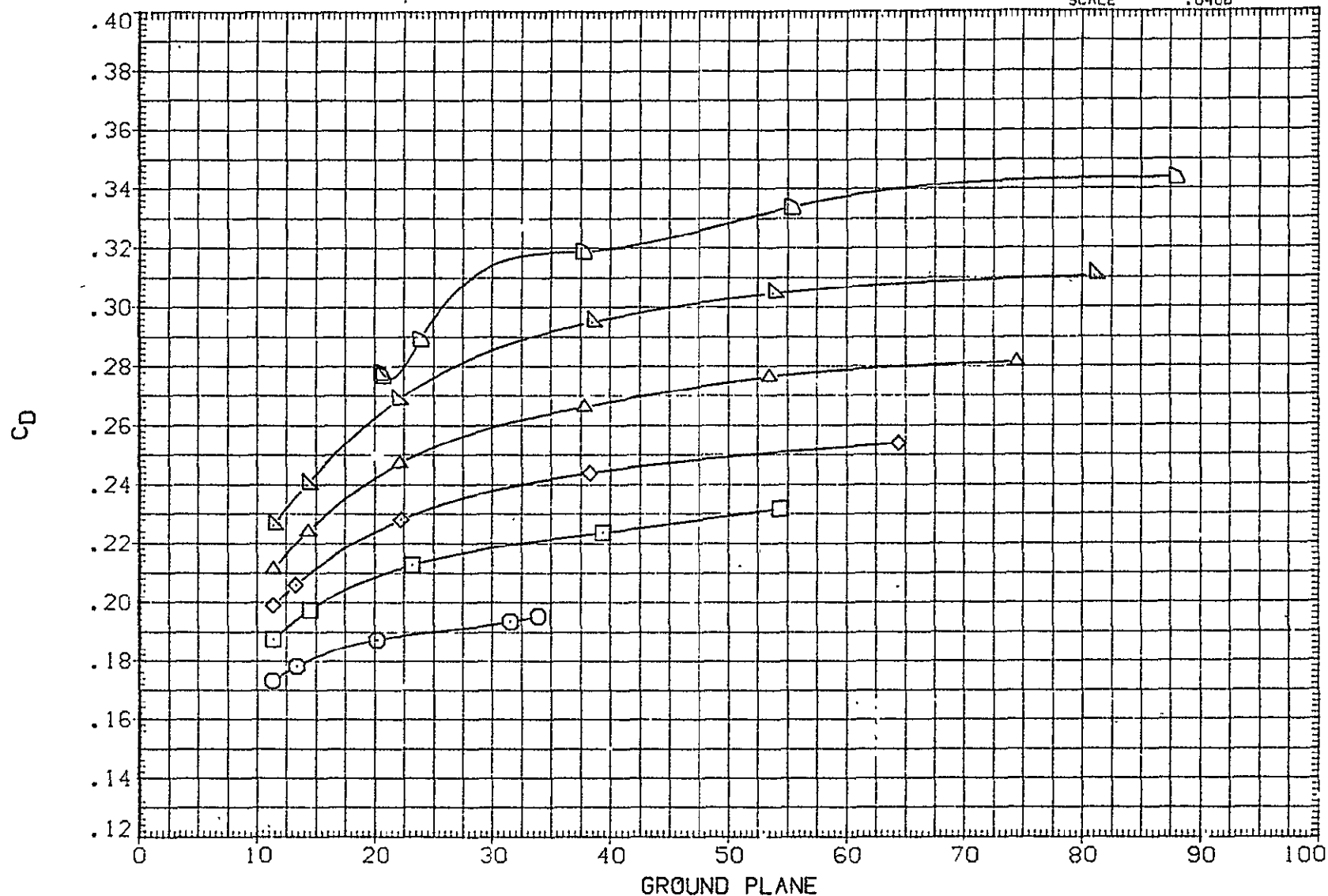


FIG 76 FERRY CON. IN GROUND PROXIMITY, HORIZ OFF, IORB = 3, TC ON
MAIN BALANCE DATA-GP SWEEPS

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION
(RJF157)	○	(CA-8) K2.1TS7 F30TS401G5.3.5	.235	3.000	-11.700	.000	SREF 5500.0000 SQ.FT.
(RJF158)	□	(CA-8) K2.1TS7 F30TS401G5.3.5	4.200	3.000	-11.700	.000	LREF 327.8000 IN.
(RJF159)	◇	(CA-8) K2.1TS7 F30TS401G5.3.5	6.165	3.000	-11.700	.000	BREF 2348.0000 IN.
(RJF160)	△	(CA-8) K2.1TS7 F30TS401G5.3.5	8.112	3.000	-11.700	.000	XMRP 1339.9100 IN.XC
(RJF161)	▽	(CA-8) K2.1TS7 F30TS401G5.3.5	10.252	3.000	-11.700	.000	YMRP .0000 IN.YC
(RJF162)	▷	(CA-8) K2.1TS7 F30TS401G5.3.5	12.237	3.000	-11.700	.000	ZMRP 190.7500 IN.ZC
							SCALE .0400

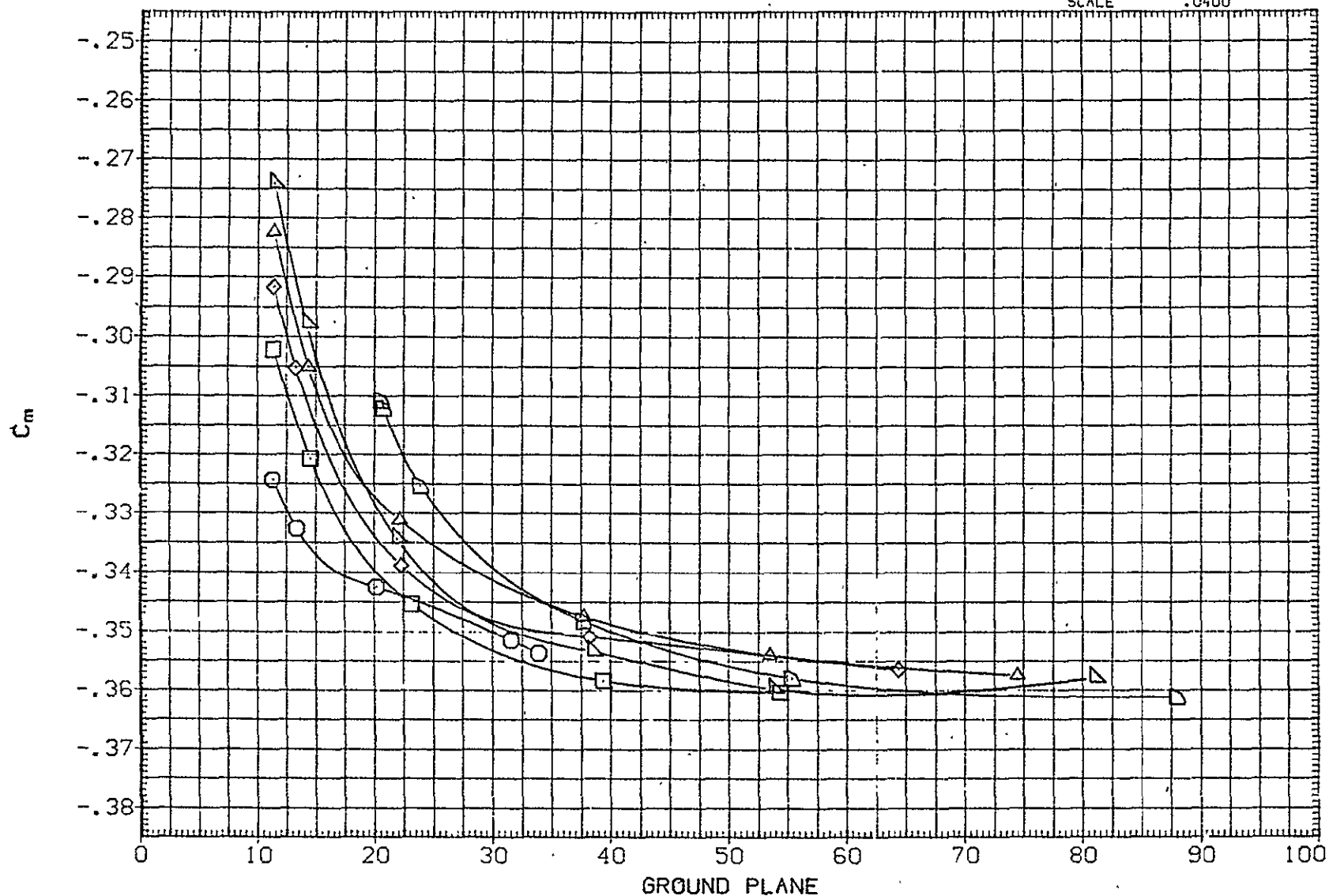


FIG 76 FERRY CON. IN GROUND PROXIMITY, HORIZ OFF, IORB = 3, TC ON
MAIN BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	IORB	BOFLAP	ELEVON	REFERENCE INFORMATION		
(RJF136)	○	(CA-8) K2.1TS7H15.6.1F30TS40105.3.5	.219	3.000	-11.700	.000	SREF	5500.0000	50.FT.
(RJF137)	□	(CA-8) K2.1TS7H15.6.1F30TS40105.3.5	2.234	3.000	-11.700	.000	LREF	327.8000	IN.
(RJF133)	◇	(CA-8) K2.1TS7H15.6.1F30TS40105.3.5	4.192	3.000	-11.700	.000	BREF	2348.0000	IN.
(RJF134)	△	(CA-8) K2.1TS7H15.6.1F30TS40105.3.5	6.216	3.000	-11.700	.000	XMRP	1339.9100	IN.XC
(RJF135)	▽	(CA-8) K2.1TS7H15.6.1F30TS40105.3.5	8.254	3.000	-11.700	.000	YMRP	.0000	IN.YC
(RJF138)	◻	(CA-8) K2.1TS7H15.6.1F30TS40105.3.5	10.169	3.000	-11.700	.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

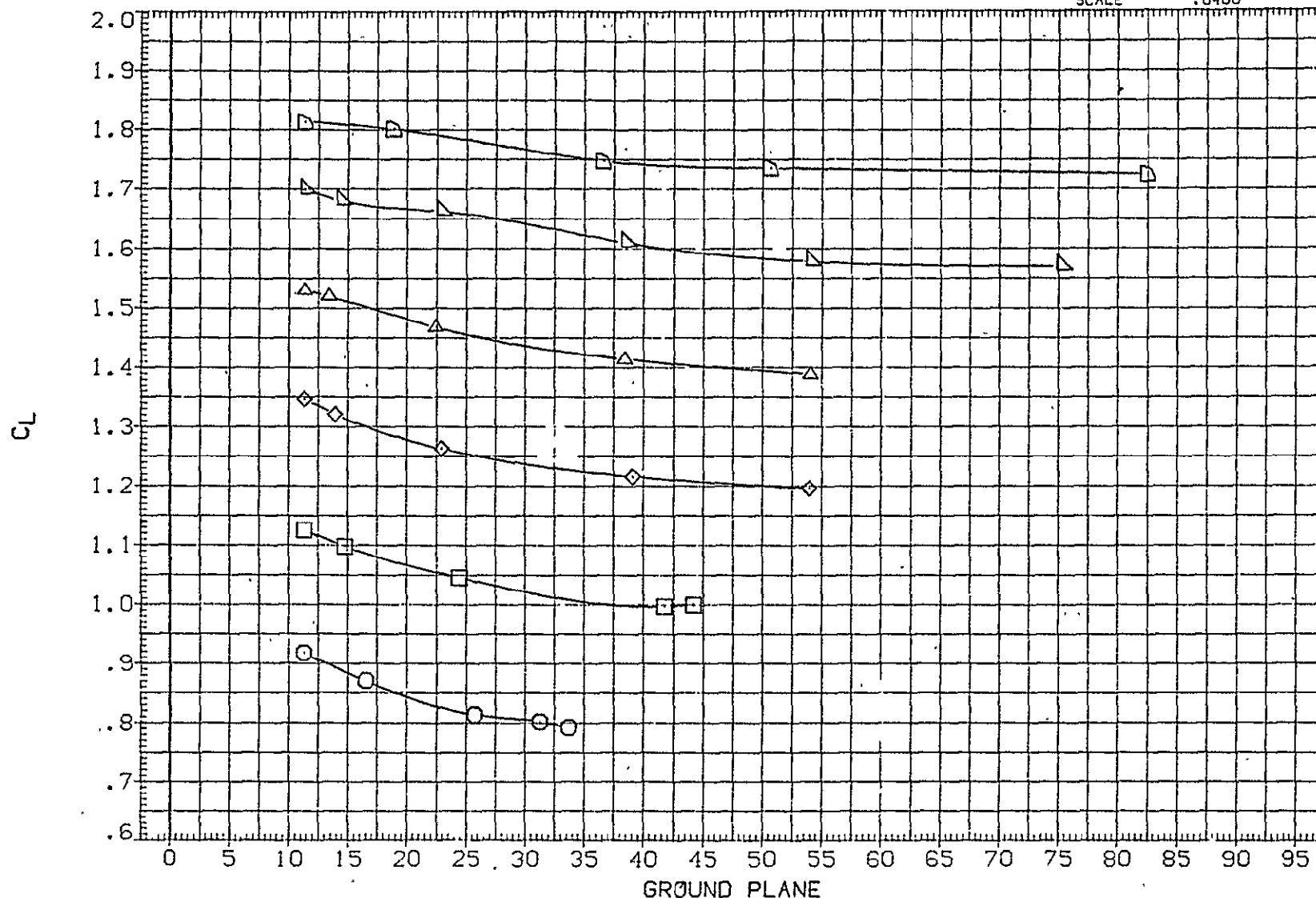


FIG 77 FERRY CON. IN GROUND PROXIMITY, STAB = 0, IORB = 3, TC ON
MAIN BALANCE DATA-GP SWEEPS LOW ANGLES OF ATTACK

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(RJF136)	○	(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5	.219	3.000	-11.700	.000	SREF	5500.0000	50. FT.
(RJF137)	□	(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5	2.234	3.000	-11.700	.000	LREF	327.8000	IN.
(RJF133)	△	(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5	4.192	3.000	-11.700	.000	BREF	2348.0000	IN.
(RJF134)	◇	(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5	6.216	3.000	-11.700	.000	XMRP	1339.9100	IN. XC
(RJF135)	▽	(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5	8.254	3.000	-11.700	.000	YMRP	.0000	IN. YC
(RJF138)	◁	(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5	10.169	3.000	-11.700	.000	ZMRP	190.7500	IN. ZC
							SCALE	.0400	

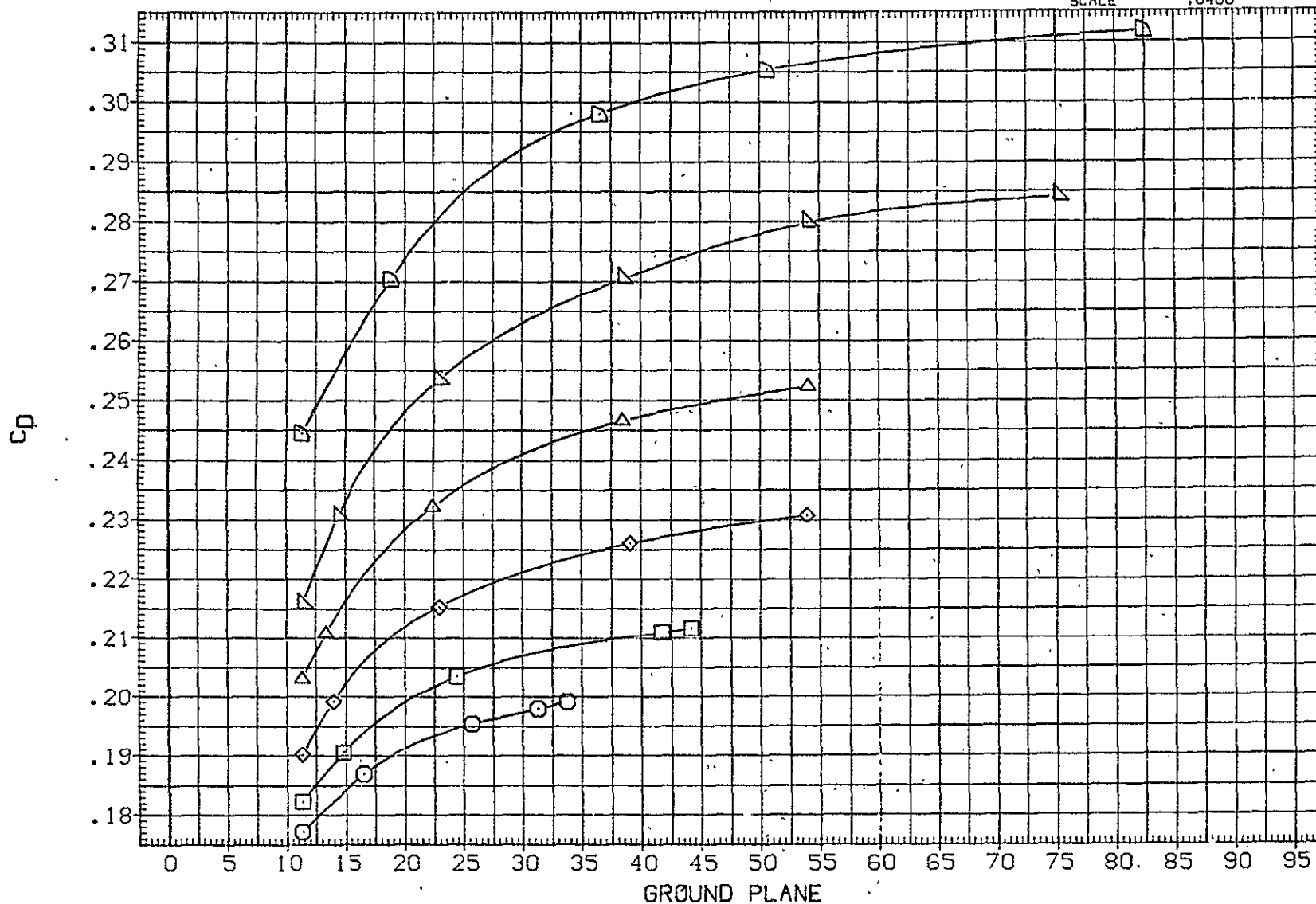


FIG 77 FERRY CON. IN GROUND PROXIMITY, STAB = 0, IORB = 3, TC ON
MAIN BALANCE DATA-GP SWEEPS LOW ANGLES OF ATTACK

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(RJF136)	○	(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5	.219	3.000	-11.700	.000	SREF	5500.0000	50. FT.
(RJF137)	□	(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5	2.234	3.000	-11.700	.000	LREF	327.8000	IN.
(RJF133)	◇	(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5	4.192	3.000	-11.700	.000	BREF	2348.0000	IN.
(RJF134)	△	(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5	6.216	3.000	-11.700	.000	XMRP	1339.9100	IN. XC
(RJF135)	▽	(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5	8.254	3.000	-11.700	.000	YMRP	.0000	IN. YC
(RJF138)	◻	(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5	10.169	3.000	-11.700	.000	ZMRP	190.7500	IN. ZC
							SCALE	.0400	

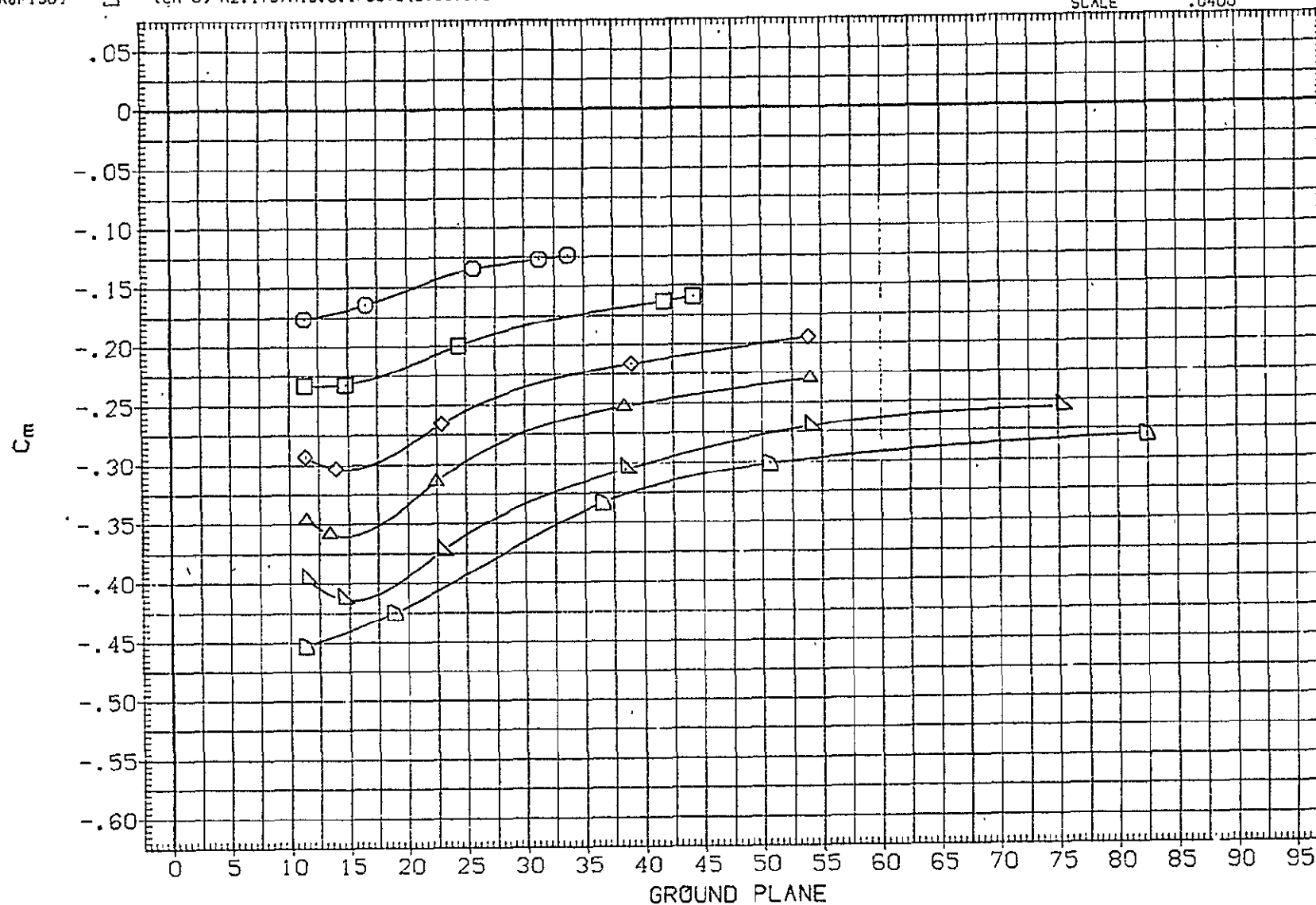


FIG 77 FERRY CON. IN GROUND PROXIMITY, STAB = 0, IORB = 3. TC ON MAIN BALANCE DATA-GP SWEEPS LOW ANGLES OF ATTACK

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	IORB	BOFLAP	ELEVON	REFERENCE INFORMATION		
(RJF134)	□	(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5	6.216	3.000	-11.700	.000	SREF	5500.0000	50.FT.
(RJF135)	◇	(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5	8.254	3.000	-11.700	.000	LREF	327.8000	IN.
(RJF138)	△	(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5	10.169	3.000	-11.700	.000	BREF	2348.0000	IN.
(RJF139)	▽	(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5	12.226	3.000	-11.700	.000	XMRP	1339.9100	IN.XC
(RJF140)	△	(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5	14.293	3.000	-11.700	.000	YMRP	.0000	IN.YC
(RJF141)	◇	(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5	16.297	3.000	-11.700	.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

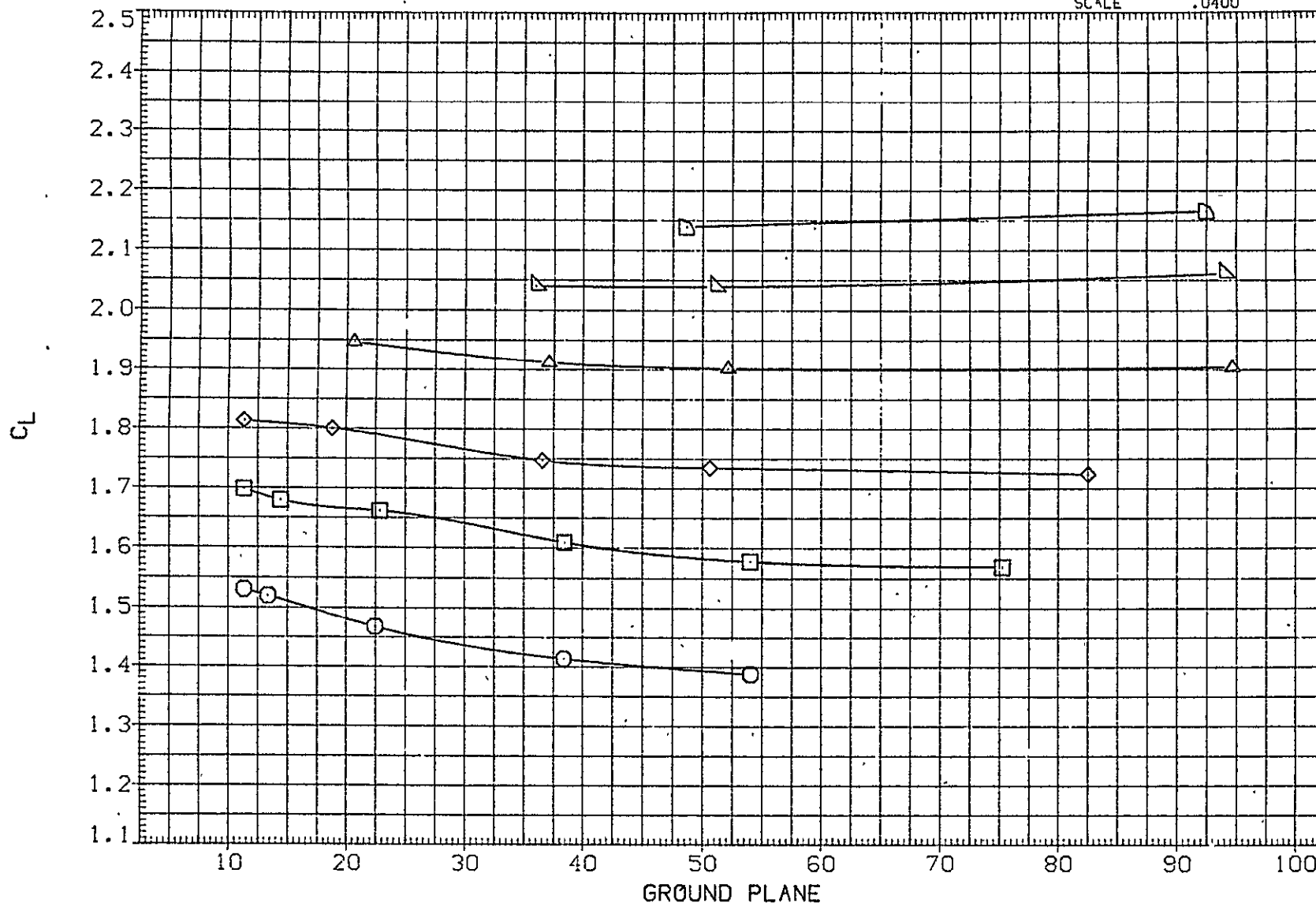


FIG 78 FERRY CON. IN GROUND PROXIMITY, STAB = 0, IORB = 3, TC ON
MAIN BALANCE DATA-GP SWEEPS HIGH ANGLES OF ATTACK

(A)MACH = .15

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REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA W	I OR B	B D FLAP	E I EV ON	REFERENCE INFORMATION		
(RJF134)	□	(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5	6.216	3.000	-11.700	.000	SREF	5500.0000	SQ.FT.
(RJF135)	□	(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5	8.254	3.000	-11.700	.000	LREF	327.8000	IN.
(RJF138)	◇	(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5	10.169	3.000	-11.700	.000	BREF	2348.0000	IN.
(RJF139)	△	(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5	12.226	3.000	-11.700	.000	XMRP	1339.9100	IN. XC
(RJF140)	△	(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5	14.293	3.000	-11.700	.000	YMRP	.0000	IN. YC
(RJF141)	◇	(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5	16.297	3.000	-11.700	.000	ZMRP	190.7500	IN. ZC
							SCALE	.0400	

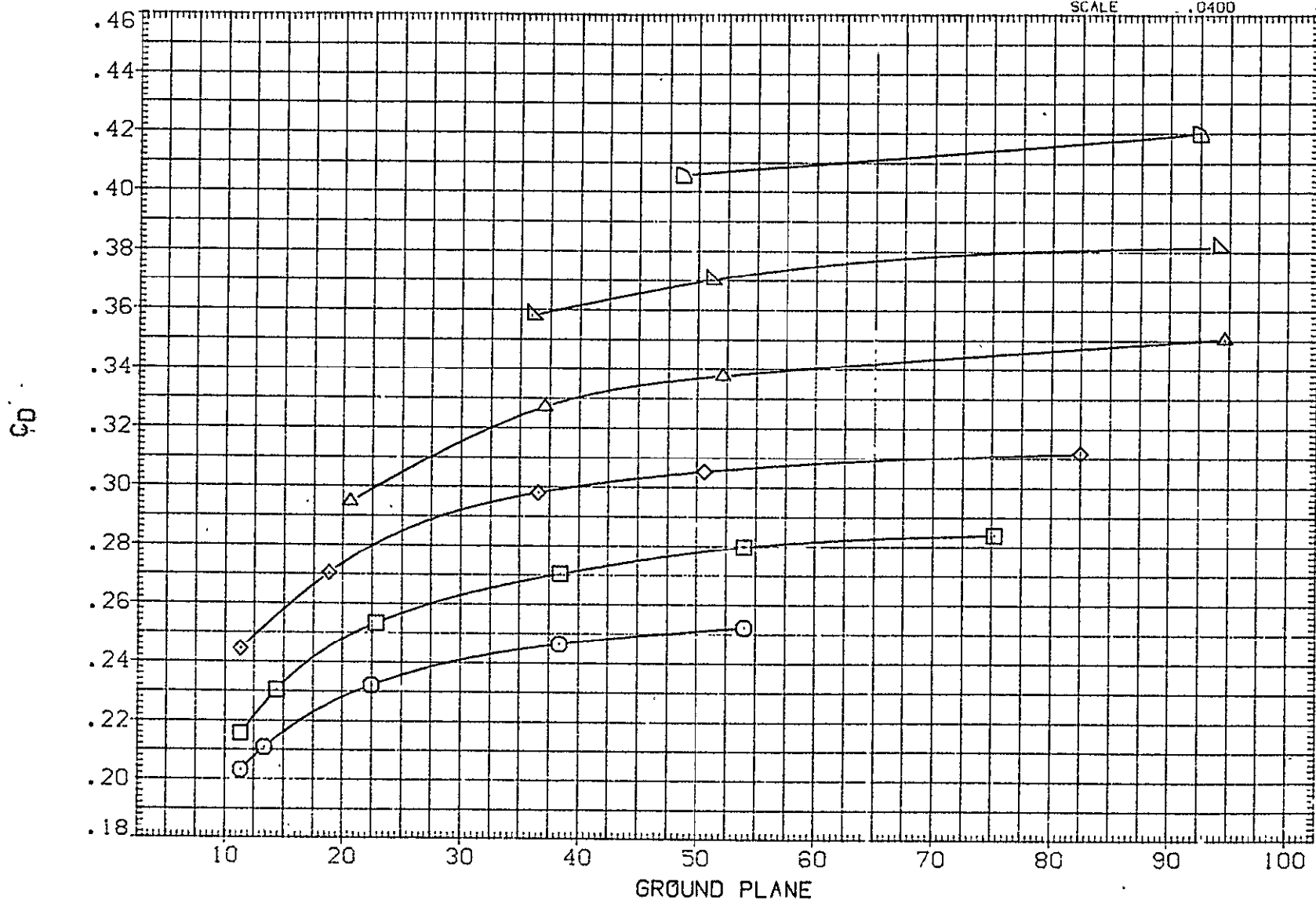


FIG 78 FERRY CON. IN GROUND PROXIMITY, STAB = 0, I OR B = 3, TC ON
MAIN BALANCE DATA-GP. SWEEPS HIGH ANGLES OF ATTACK

(A)MACH = .15

DATA-SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(RJF134)	○	(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5	6.216	3.000	-11.700	.000	SREF	5500.0000	SQ.FT.
(RJF135)	□	(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5	8.254	3.000	-11.700	.000	LREF	327.8000	IN.
(RJF138)	◇	(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5	10.169	3.000	-11.700	.000	BREF	2348.0000	IN.
(RJF139)	△	(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5	12.226	3.000	-11.700	.000	XMRP	1339.9100	IN.XC
(RJF140)	▽	(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5	14.293	3.000	-11.700	.000	YMRP	.0000	IN.YC
(RJF141)	◇	(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5	16.297	3.000	-11.700	.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

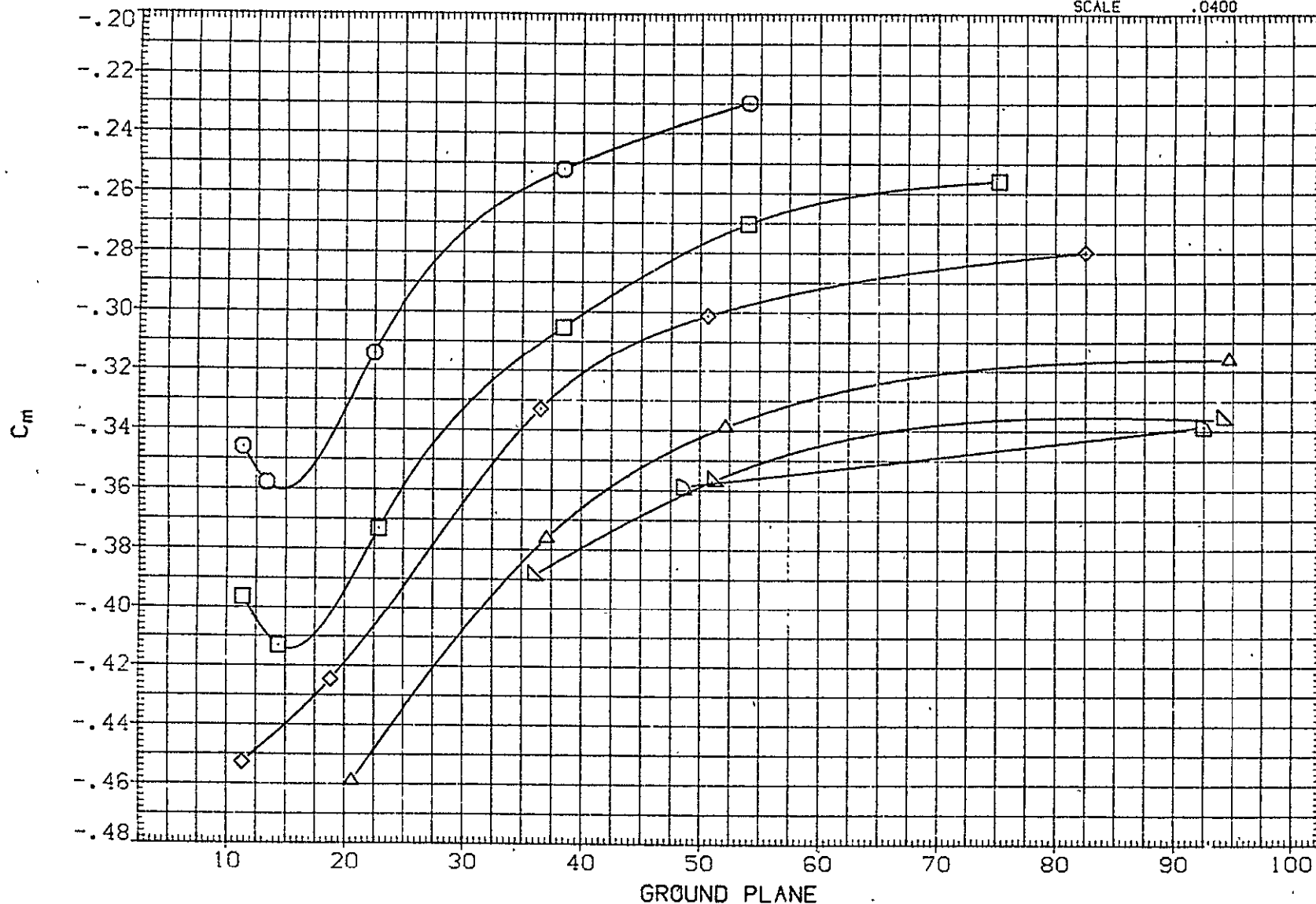


FIG 78 FERRY CON. IN GROUND PROXIMITY, STAB = 0, IORB = 3, TC ON
MAIN BALANCE DATA-GP SWEEPS HIGH ANGLES OF ATTACK

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	EDFLAP	ELEVON	REFERENCE INFORMATION		
(RJF142)	□	(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5	.177	3.000	-11.700	.000	SREF	5500.0000	SG.FT.
(RJF143)	□	(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5	2.164	3.000	-11.700	.000	LREF	327.8000	IN.
(RJF144)	◇	(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5	4.247	3.000	-11.700	.000	BREF	2348.0000	IN.
(RJF145)	△	(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5	6.166	3.000	-11.700	.000	XM RP	1339.9100	IN.XC
(RJF146)	△	(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5	8.099	3.000	-11.700	.000	YM RP	.0000	IN.YC
(RJF147)	△	(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5	10.174	3.000	-11.700	.000	ZM RP	190.7500	IN.ZC
							SCALE	.0400	

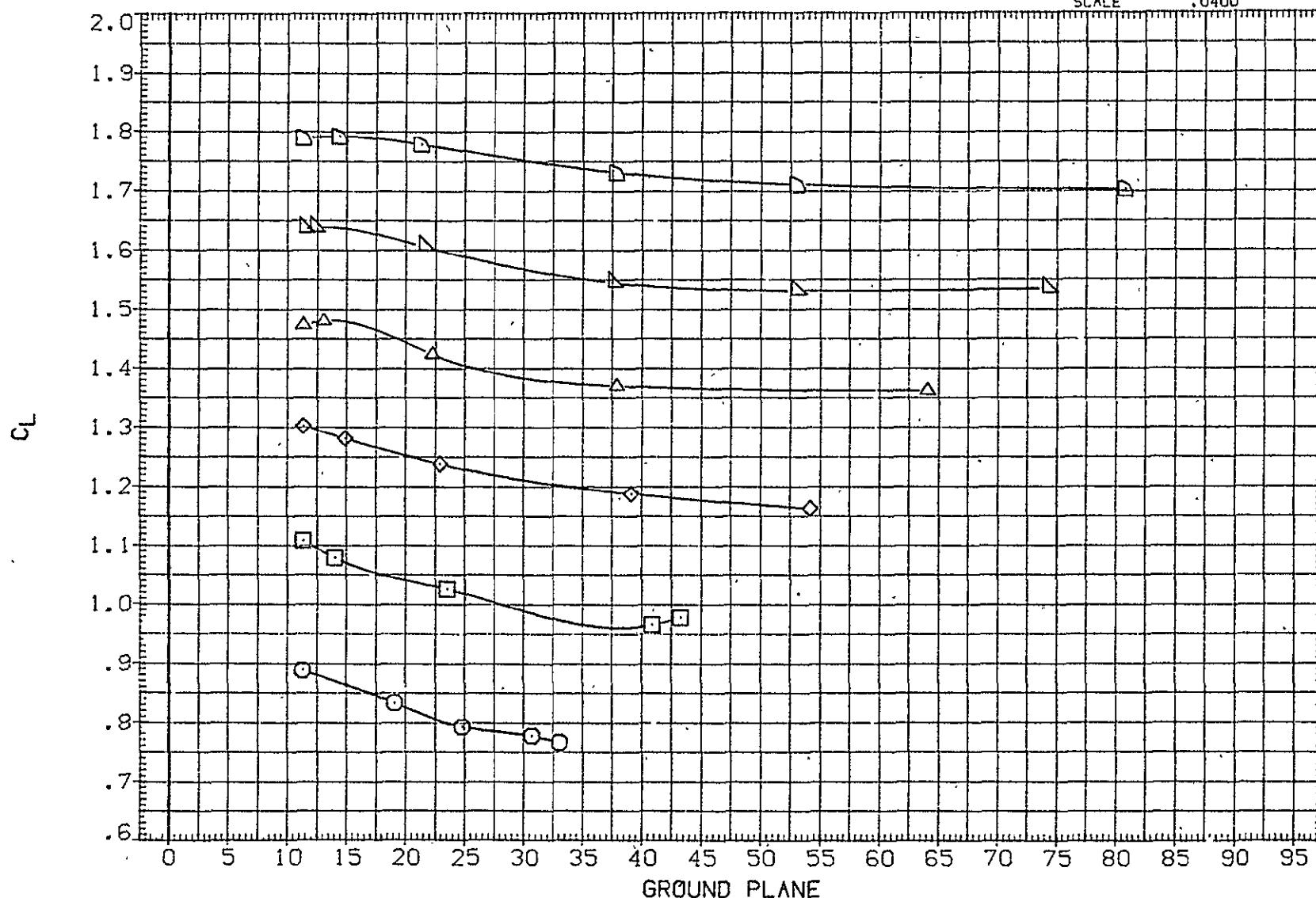


FIG 79 FERRY CON. IN GROUND PROXIMITY, STAB = -2, IORB = 3, TC ON
MAIN BALANCE DATA-GP SWEEPS LOW ANGLES OF ATTACK

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(RJF142)	○	(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5	.177	3.000	-11.700	.000	SREF	5500.0000	50.FT.
(RJF143)	◇	(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5	2.164	3.000	-11.700	.000	LREF	327.8000	IN.
(RJF144)	△	(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5	4.247	3.000	-11.700	.000	BREF	2348.0000	IN.
(RJF145)	▽	(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5	6.166	3.000	-11.700	.000	XMRP	1339.9100	IN.XC
(RJF146)	□	(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5	8.099	3.000	-11.700	.000	YMRP	.0000	IN.YC
(RJF147)	▷	(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5	10.174	3.000	-11.700	.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

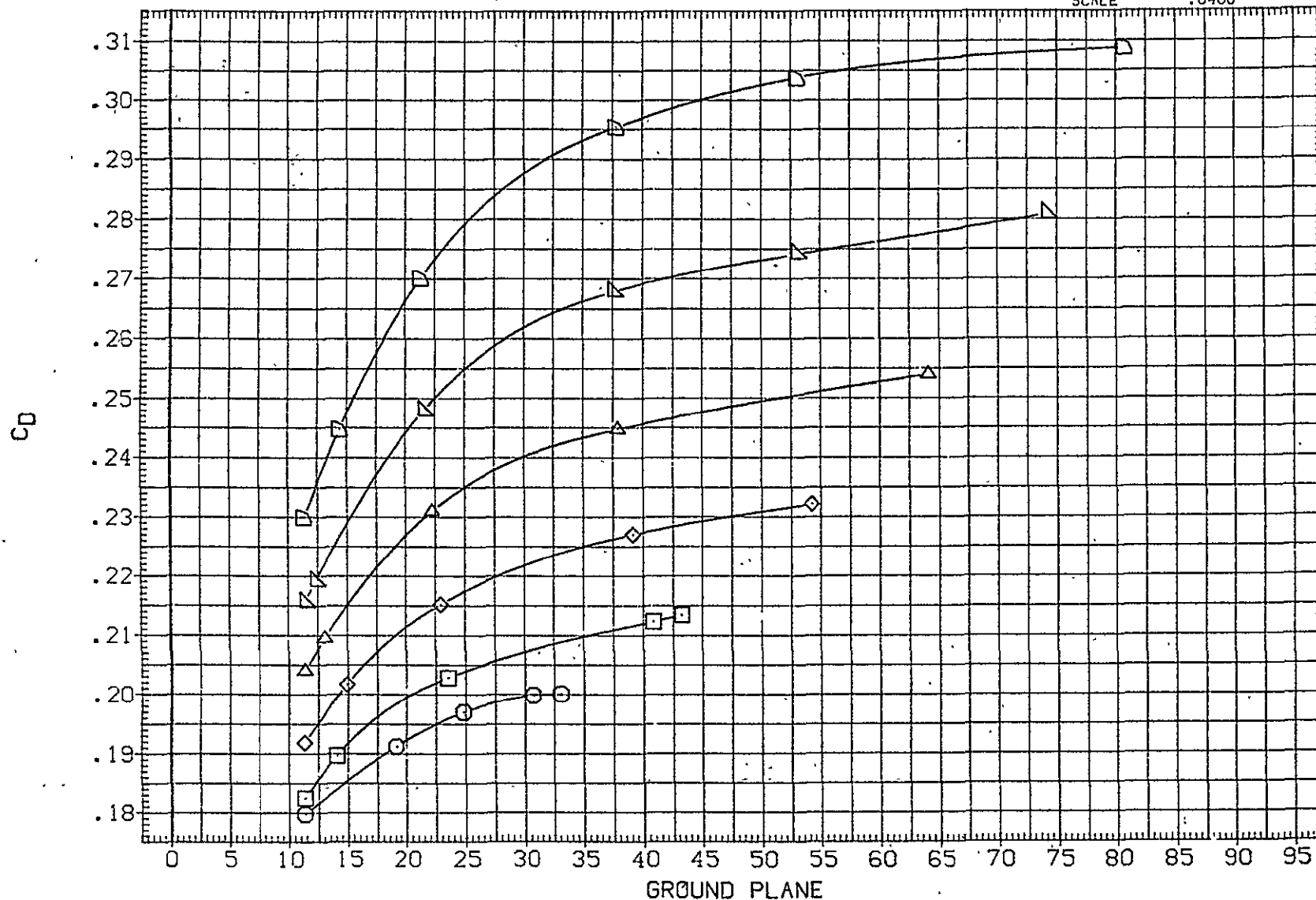


FIG 79 FERRY CON. IN GROUND PROXIMITY, STAB = -2, IORB = 3, TC ON
MAIN BALANCE DATA-GP SWEEPS LOW ANGLES OF ATTACK

(A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(RJF142)	○	(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5	.177	3.000	-11.700	.000	SREF	5500.0000	50. FT.
(RJF143)	□	(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5	2.164	3.000	-11.700	.000	LREF	327.8000	IN.
(RJF144)	◇	(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5	4.247	3.000	-11.700	.000	BREF	2348.0000	IN.
(RJF145)	△	(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5	6.166	3.000	-11.700	.000	XMRP	1339.9100	IN. XC
(RJF146)	▽	(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5	8.099	3.000	-11.700	.000	YMRP	.0000	IN. YC
(RJF147)	◻	(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5	10.174	3.000	-11.700	.000	ZMRP	190.7500	IN. ZC
							SCALE	.0400	

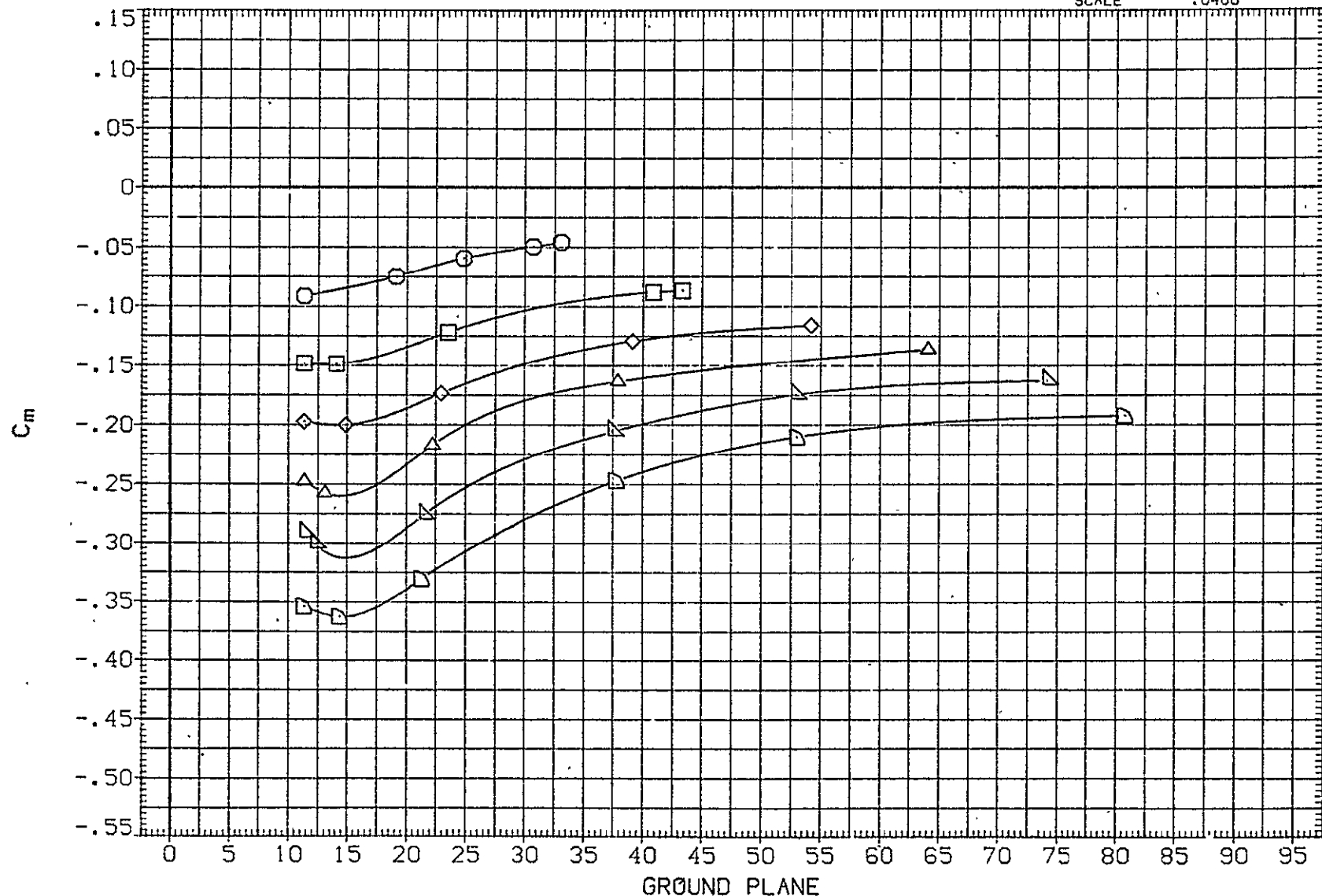


FIG 79 FERRY CON. IN GROUND PROXIMITY, STAB = -2, IORB = 3, TC ON
MAIN BALANCE DATA-GP SWEEPS LOW ANGLES OF ATTACK

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(RJF145)	□	(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5	6.166	3.000	-11.700	.000	SREF	5500.0000	SQ.FT.
(RJF146)	○	(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5	8.099	3.000	-11.700	.000	LREF	327.8000	IN.
(RJF147)	◇	(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5	10.174	3.000	-11.700	.000	BREF	2348.0000	IN.
(RJF148)	△	(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5	12.110	3.000	-11.700	.000	XMRP	1339.9100	IN.XC
(RJF149)	▽	(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5	14.219	3.000	-11.700	.000	YMRP	.0000	IN.YC
(RJF150)	◻	(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5	16.235	3.000	-11.700	.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

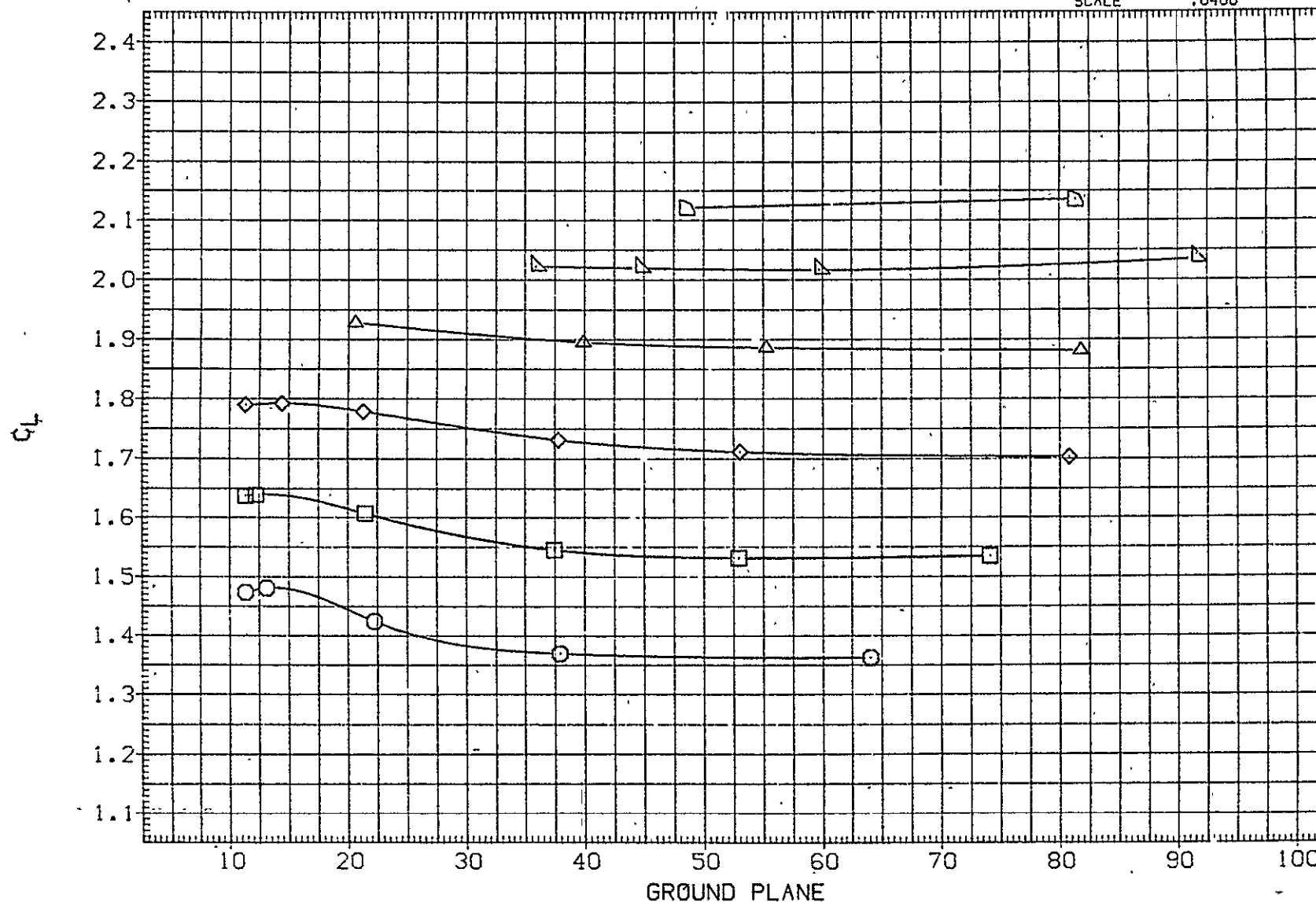


FIG 80 FERRY CON. IN GROUND PROXIMITY, STAB = -2, IORB = 3, TC ON
MAIN BALANCE DATA-GP SWEEPS HIGH ANGLES OF ATTACK

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA _W	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(RJF145)	○	(CA-8) K2.1TS7H15.6.1F30TS40165.3.5	6.166	3.000	-11.700	.000	SREF	5500.0000	SQ.FT.
(RJF146)	□	(CA-8) K2.1TS7H15.6.1F30TS40165.3.5	8.099	3.000	-11.700	.000	LREF	327.8000	IN.
(RJF147)	◇	(CA-8) K2.1TS7H15.6.1F30TS40165.3.5	10.174	3.000	-11.700	.000	BREF	2348.0000	IN.
(RJF148)	△	(CA-8) K2.1TS7H15.6.1F30TS40165.3.5	12.110	3.000	-11.700	.000	XMRP	1339.9100	IN.XC
(RJF149)	▽	(CA-8) K2.1TS7H15.6.1F30TS40165.3.5	14.219	3.000	-11.700	.000	YMRP	.0000	IN.YC
(RJF150)	◻	(CA-8) K2.1TS7H15.6.1F30TS40165.3.5	16.235	3.000	-11.700	.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

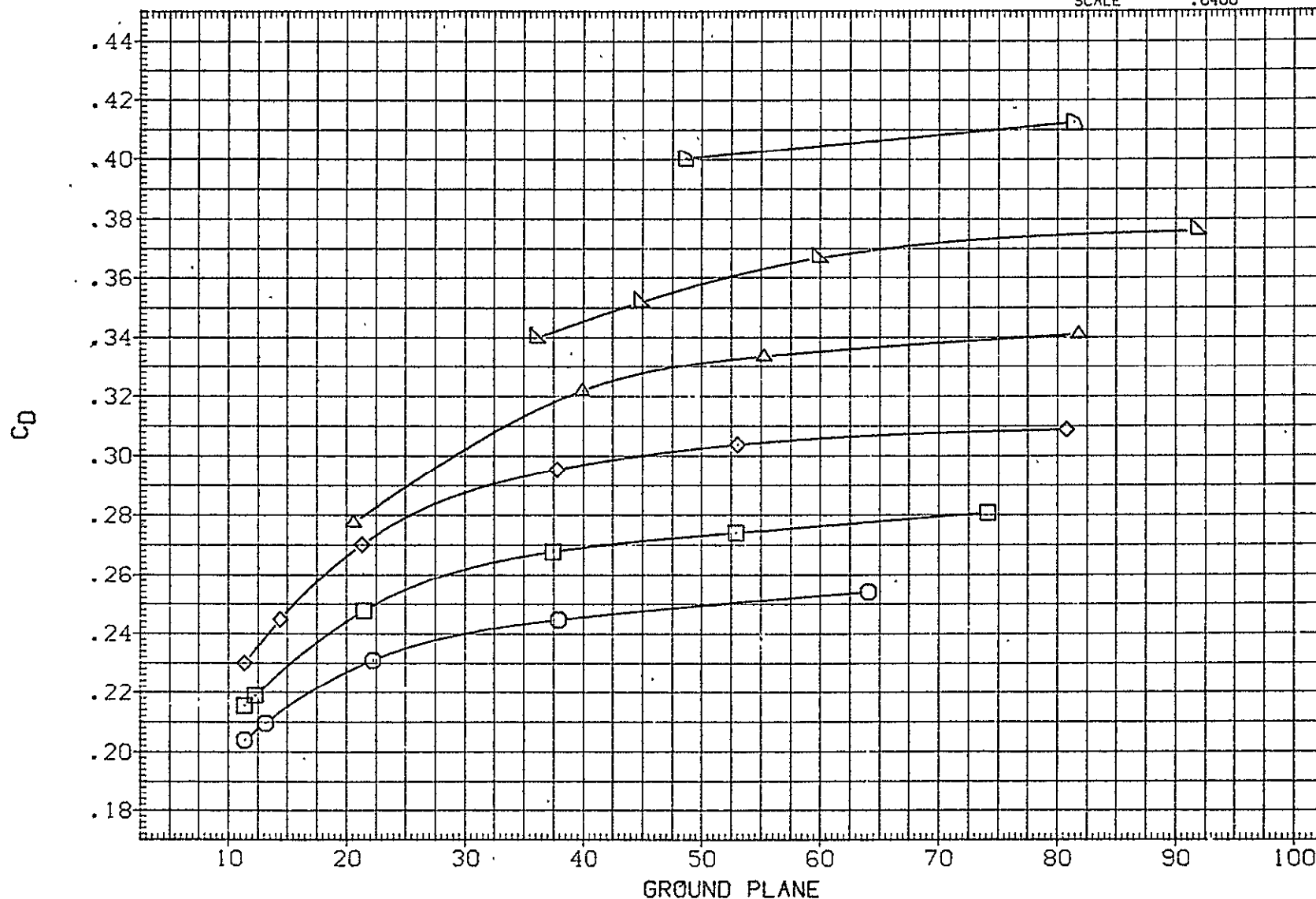


FIG 80 FERRY CON. IN GROUND PROXIMITY, STAB = -2, IORB = 3, TC ON
MAIN BALANCE DATA-GP SWEEPS HIGH ANGLES OF ATTACK

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(RJF145)	○	(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5	6.166	3.000	-1.700	.000	SREF	5500.0000	SQ.FT.
(RJF146)	□	(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5	8.099	3.000	-1.700	.000	LREF	327.8000	IN.
(RJF147)	◇	(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5	10.174	3.000	-1.700	.000	BREF	2348.0000	IN.
(RJF148)	△	(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5	12.110	3.000	-1.700	.000	XMRP	1339.9100	IN.XC
(RJF149)	▽	(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5	14.219	3.000	-1.700	.000	YMRP	.0000	IN.YC
(RJF150)	▷	(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5	16.235	3.000	-1.700	.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

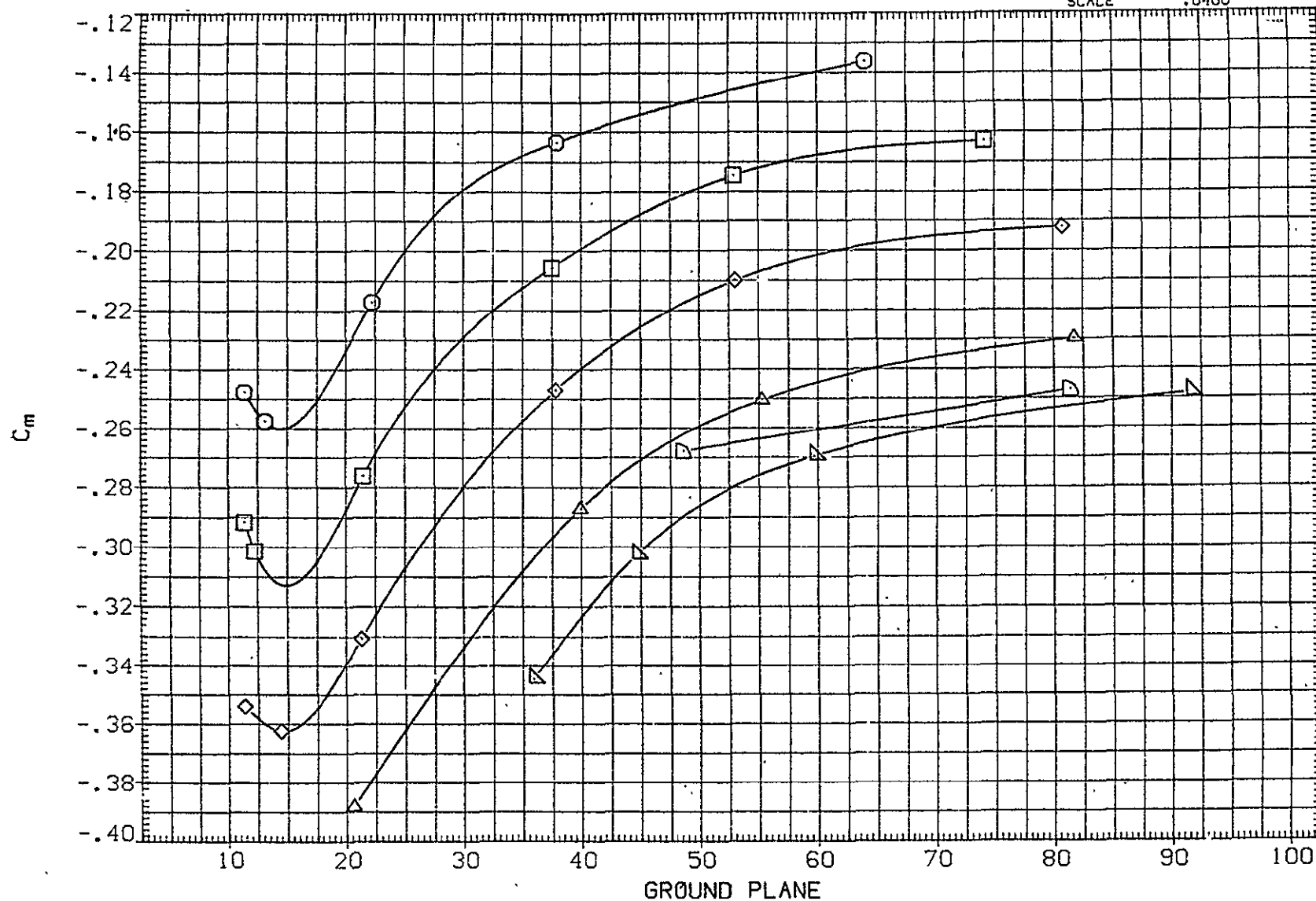


FIG 80 FERRY CON. IN GROUND PROXIMITY, STAB = -2, IORB = 3, TC ON
MAIN BALANCE DATA-GP SWEEPS HIGH ANGLES OF ATTACK

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(RJF151)	○	(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5	.159	3.000	-11.700	.000	SREF	5500.0000	SQ.FT.
(RJF152)	□	(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5	4.158	3.000	-11.700	.000	LREF	327.8000	IN.
(RJF153)	◇	(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5	8.110	3.000	-11.700	.000	BREF	2348.0000	IN.
(RJF154)	△	(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5	6.239	3.000	-11.700	.000	XMRP	1339.9100	IN.XC
(RJF155)	▽	(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5	10.147	3.000	-11.700	.000	YMRP	.0000	IN.YC
(RJF156)	◻	(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5	12.148	3.000	-11.700	.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

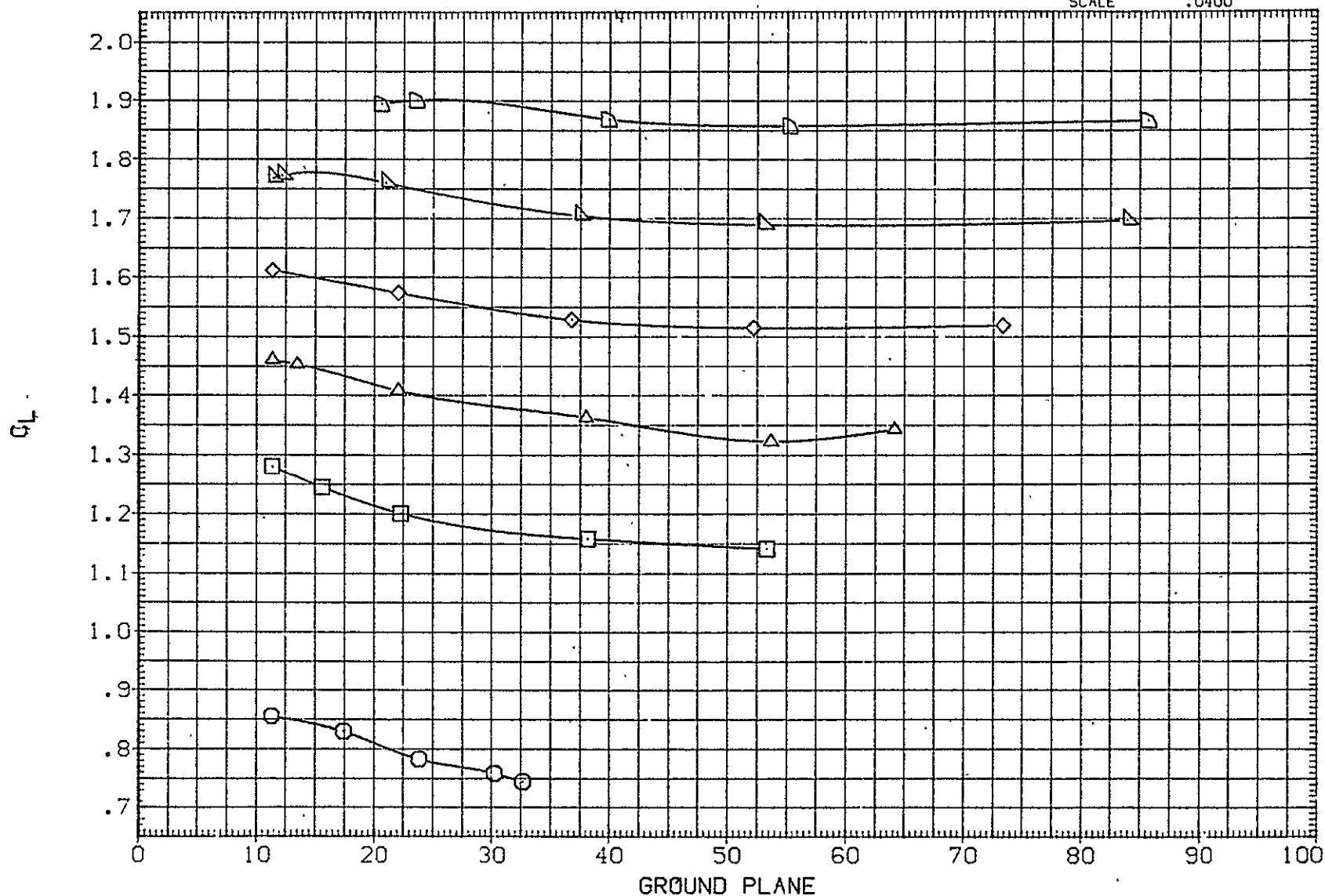


FIG 81 FERRY CON. IN GROUND PROXIMITY, STAB = -4, IORB = 3, TC ON
MAIN BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(RJF151)	○	(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5	.159	3.000	-11.700	.000	SREF	5500.0000	SQ.FT.
(RJF152)	□	(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5	4.158	3.000	-11.700	.000	LREF	327.8000	IN.
(RJF153)	◇	(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5	8.110	3.000	-11.700	.000	BREF	2348.0000	IN.
(RJF154)	△	(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5	6.239	3.000	-11.700	.000	XMRP	1339.9100	IN. XC
(RJF155)	▽	(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5	10.147	3.000	-11.700	.000	YMRP	.0000	IN. YC
(RJF156)	◻	(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5	12.148	3.000	-11.700	.000	ZMRP	190.7500	IN. ZC
							SCALE	.0400	

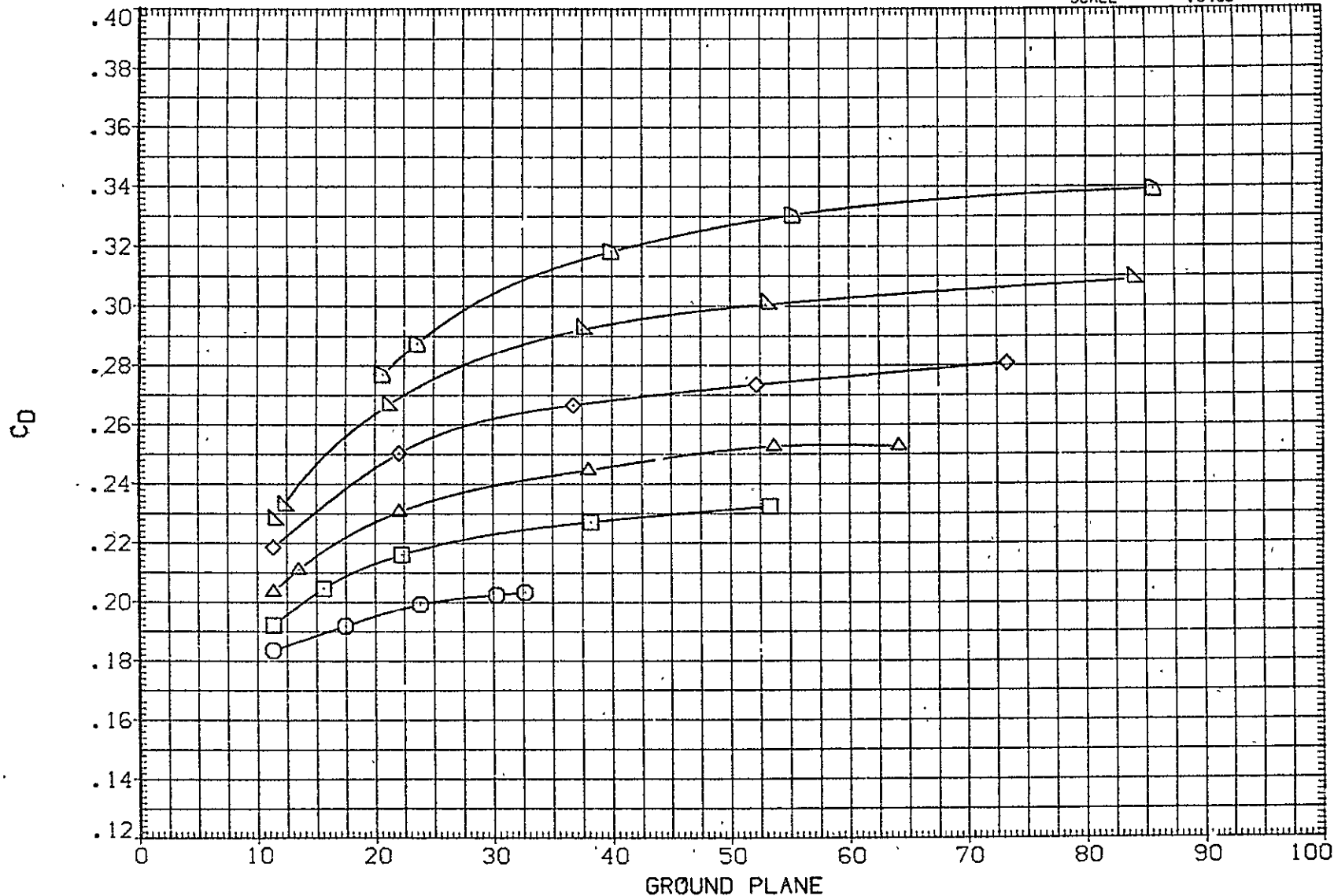


FIG 81 FERRY CON. IN GROUND PROXIMITY, STAB = -4, IORB = 3, TC ON
MAIN BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA _W	I _{ORB}	BD _{FLAP}	ELEVON	REFERENCE INFORMATION		
(RJF151)	○	(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5	.159	3.000	-11.700	.000	SREF	5500.0000	SQ.FT.
(RJF152)	□	(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5	4.158	3.000	-11.700	.000	LREF	327.8000	IN.
(RJF153)	◇	(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5	8.110	3.000	-11.700	.000	BREF	2348.0000	IN.
(RJF154)	△	(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5	6.239	3.000	-11.700	.000	XMRP	1339.9100	IN.XC
(RJF155)	▽	(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5	10.147	3.000	-11.700	.000	YMRP	.0000	IN.YC
(RJF156)	◊	(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5	12.148	3.000	-11.700	.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

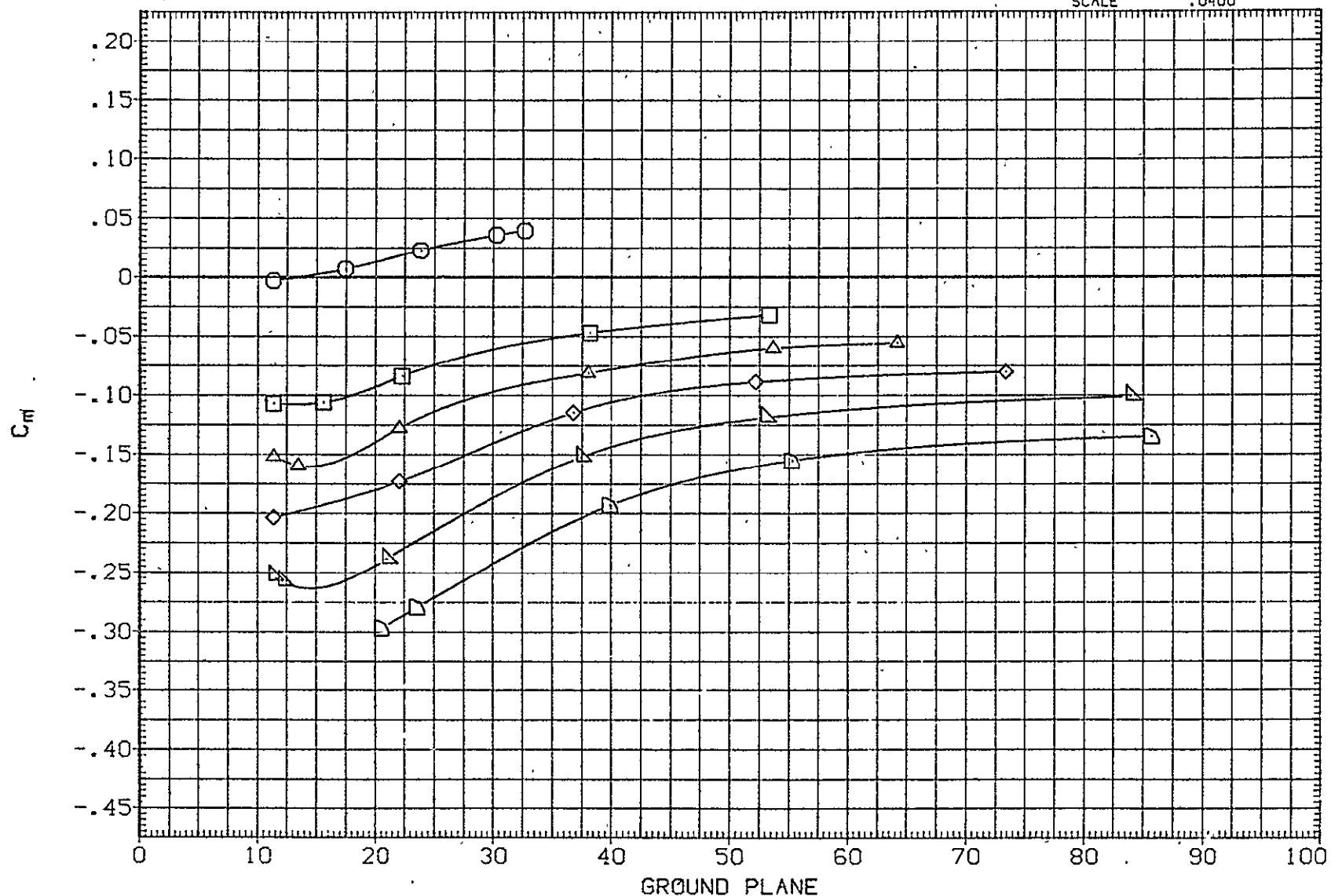


FIG 81 FERRY CON. IN GROUND PROXIMITY, STAB = -4, I_{ORB} = 3, TC ON
MAIN BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(RJF163)	□	(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5	.158	3.000	-11.700	.000	SREF	5500.0000	SQ.FT.
(RJF164)	◇	(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5	4.201	3.000	-11.700	.000	LREF	327.8000	IN.
(RJF165)	△	(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5	6.049	3.000	-11.700	.000	BREF	2348.0000	IN.
(RJF166)	▽	(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5	8.213	3.000	-11.700	.000	XM RP	1339.9100	IN.XC
(RJF167)	△	(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5	10.229	3.000	-11.700	.000	YM RP	.0000	IN.YC
(RJF168)	▽	(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5	12.130	3.000	-11.700	.000	ZM RP	190.7500	IN.ZC
							SCALE	.0400	

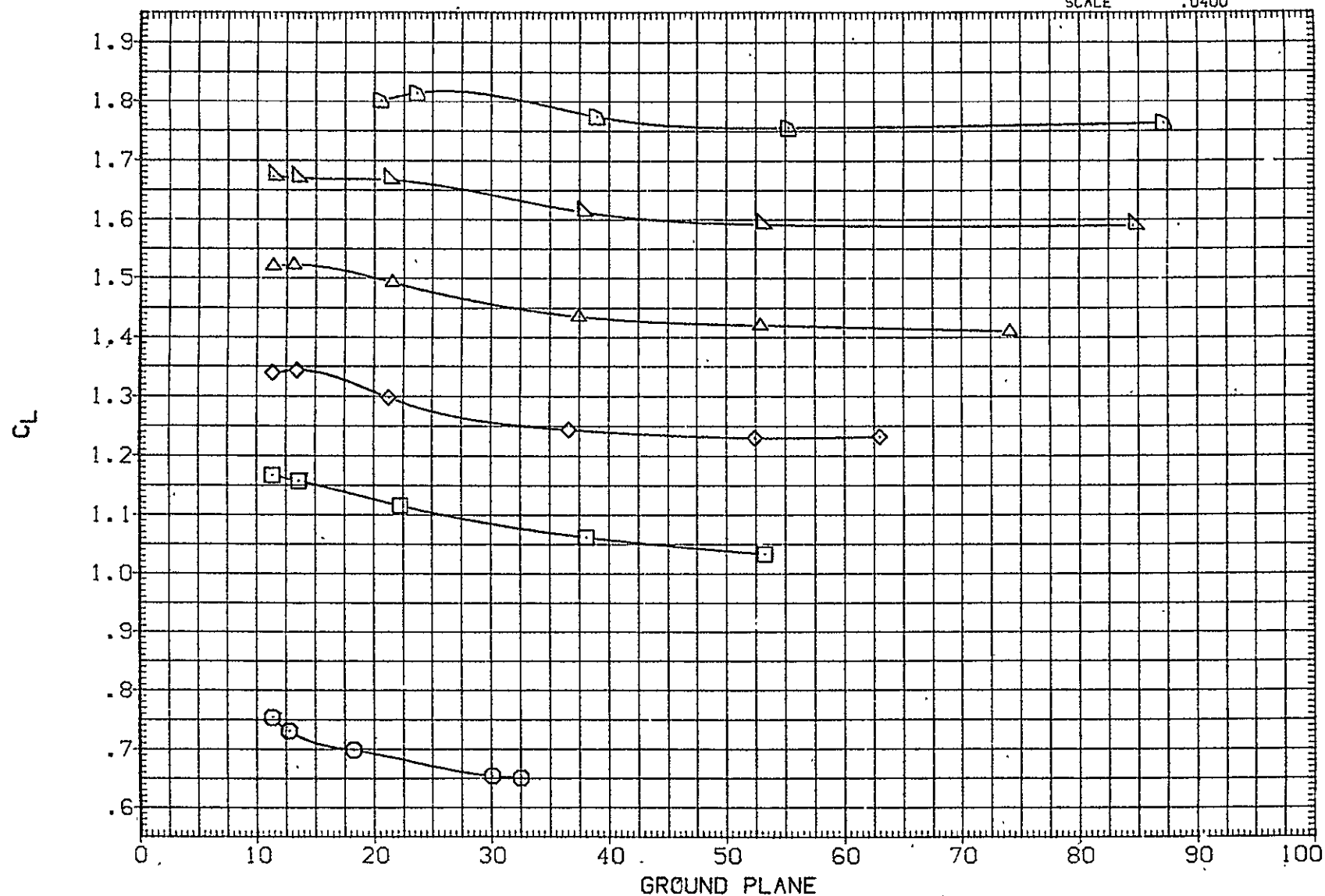


FIG 82 FERRY CON. IN GROUND PROXIMITY, STAB = -2, ELEVTR=-23, IORB=3, TC ON
MAIN BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(RJF163)	○	(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5	.158	3.000	-11.700	.000	SREF	5500.0000	50. FT.
(RJF164)	□	(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5	4.201	3.000	-11.700	.000	LREF	327.8000	IN.
(RJF165)	◇	(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5	6.049	3.000	-11.700	.000	BREF	2348.0000	IN.
(RJF166)	△	(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5	8.213	3.000	-11.700	.000	XMRP	1339.9100	IN. XC
(RJF167)	▽	(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5	10.229	3.000	-11.700	.000	YMRP	.0000	IN. YC
(RJF168)	◻	(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5	12.130	3.000	-11.700	.000	ZMRP	190.7500	IN. ZC
							SCALE	.0400	

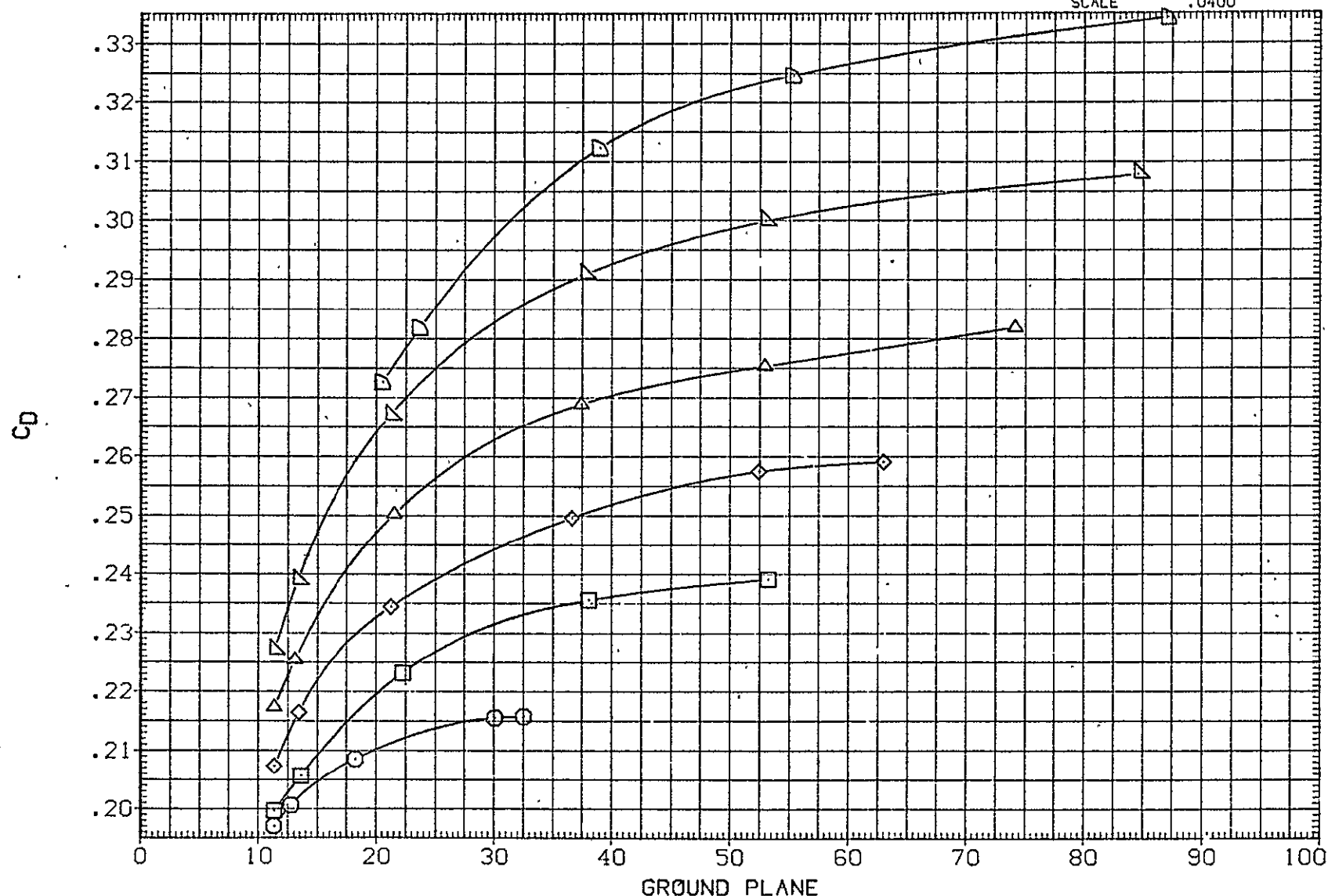


FIG 82 FERRY CON. IN GROUND PROXIMITY, STAB = -2. ELEVTR=-23, IORB=3, TC ON
MAIN BALANCE DATA-GP SWEEPS

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION	
(RJF163)	○	(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5	.158	3.000	-11.700	.000	SREF	5500.0000 SQ.FT.
(RJF164)	□	(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5	4.201	3.000	-11.700	.000	LREF	327.8000 IN.
(RJF165)	◇	(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5	6.049	3.000	-11.700	.000	BREF	2348.0000 IN.
(RJF166)	△	(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5	8.213	3.000	-11.700	.000	XMRP	1339.9100 IN.XC
(RJF167)	▽	(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5	10.229	3.000	-11.700	.000	YMRP	.0000 IN.YC
(RJF168)	◻	(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5	12.130	3.000	-11.700	.000	ZMRP	190.7500 IN.ZC
							SCALE	.0400

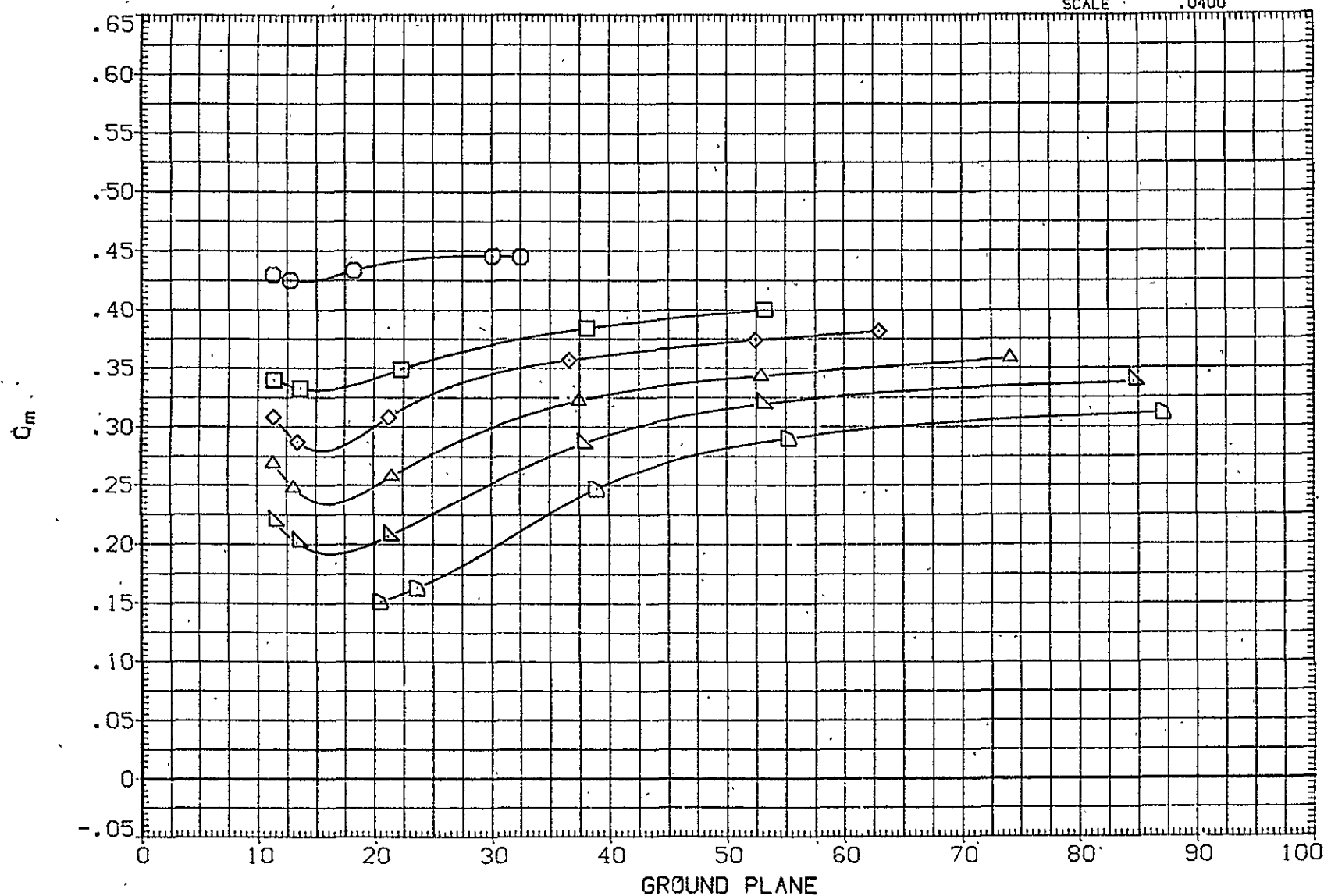


FIG 82 FERRY CON. IN GROUND PROXIMITY. STAB = -2, ELEVTR=-23, IORB=3, TC ON
MAIN BALANCE DATA-GP SWEEPS

(A)MACH = .15

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DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(RJF193)	○	(CA-8) K3.1TS7 F30TS40IG5.3.5	.128	6.000	-11.700	-5.000	SREF	5500.0000	50. FT.
(RJF194)	□	(CA-8) K3.1TS7 F30TS40IG5.3.5	4.126	6.000	-11.700	-5.000	LREF	327.8000	IN.
(RJF195)	◇	(CA-8) K3.1TS7 F30TS40IG5.3.5	6.186	6.000	-11.700	-5.000	BREF	2348.0000	IN.
(RJF196)	△	(CA-8) K3.1TS7 F30TS40IG5.3.5	8.187	6.000	-11.700	-5.000	XMRP	1339.9100	IN. XC
(RJF197)	▽	(CA-8) K3.1TS7 F30TS40IG5.3.5	10.192	6.000	-1.700	-5.000	YMRP	.0000	IN. YC
(RJF198)	◻	(CA-8) K3.1TS7 F30TS40IG5.3.5	12.168	6.000	-1.700	-5.000	ZMRP	190.7500	IN. ZC
							SCALE	.0400	

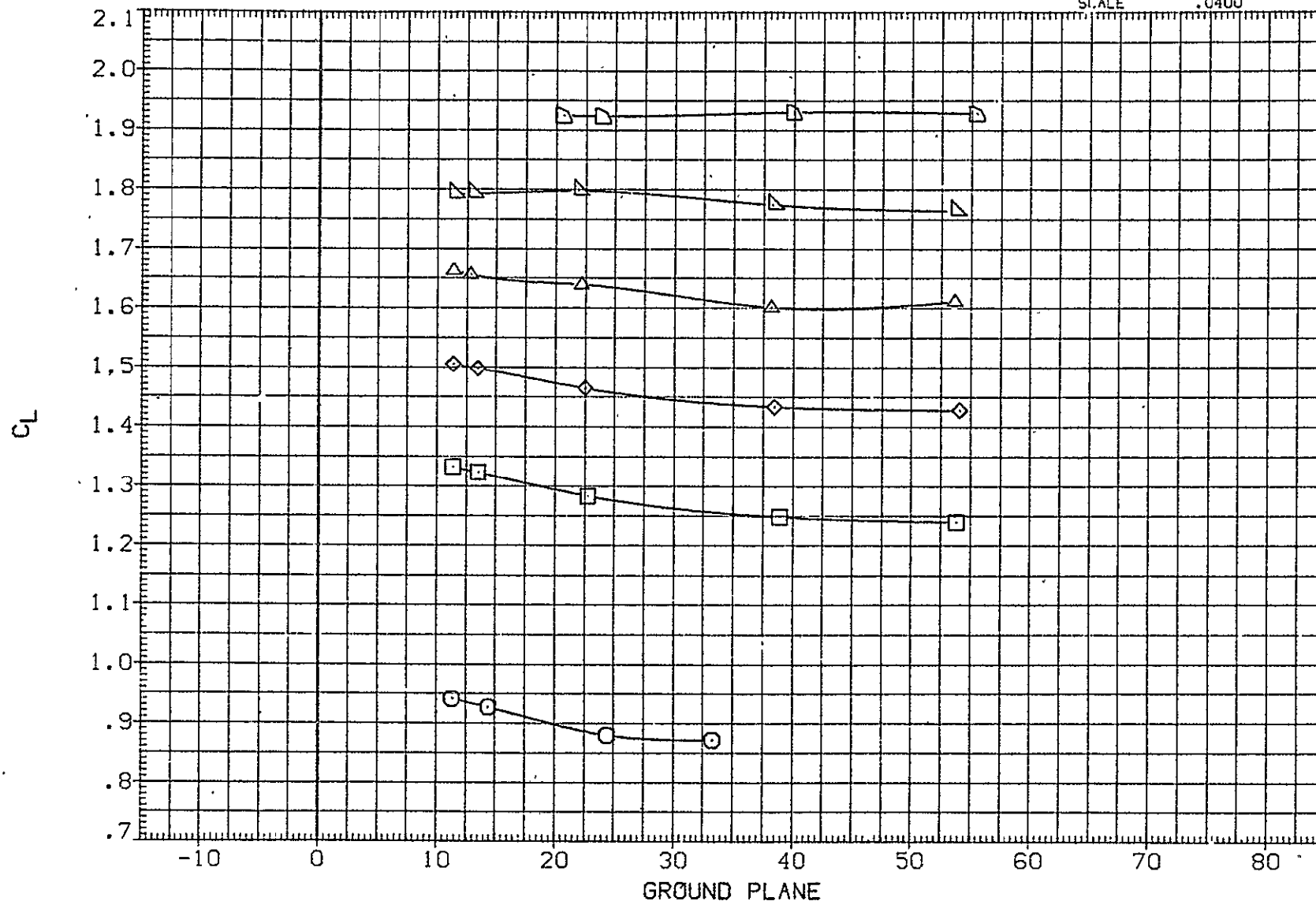


FIG 83 FERRY CON. IN GROUND PROXIMITY, HORIZ OFF, ELEVTR=-23, IORB=6, TC ON
MAIN BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(RJF193)	○	(CA-8) K3.1TS7 F30TS40165.3.5	.128	6.000	-11.700	-5.000	SREF	5500.0000	50.FT.
(RJF194)	□	(CA-8) K3.1TS7 F30TS40165.3.5	4.126	6.000	-11.700	-5.000	LREF	327.8000	IN.
(RJF195)	◇	(CA-8) K3.1TS7 F30TS40165.3.5	6.186	6.000	-11.700	-5.000	BREF	2348.0000	IN.
(RJF196)	△	(CA-8) K3.1TS7 F30TS40165.3.5	8.187	6.000	-11.700	-5.000	XMRF	1339.9100	IN.XC
(RJF197)	▽	(CA-8) K3.1TS7 F30TS40165.3.5	10.192	6.000	-11.700	-5.000	YMRF	.0000	IN.YC
(RJF198)	▷	(CA-8) K3.1TS7 F30TS40165.3.5	12.168	6.000	-11.700	-5.000	ZMRF	190.7500	IN.ZC
							SCALE	.0400	

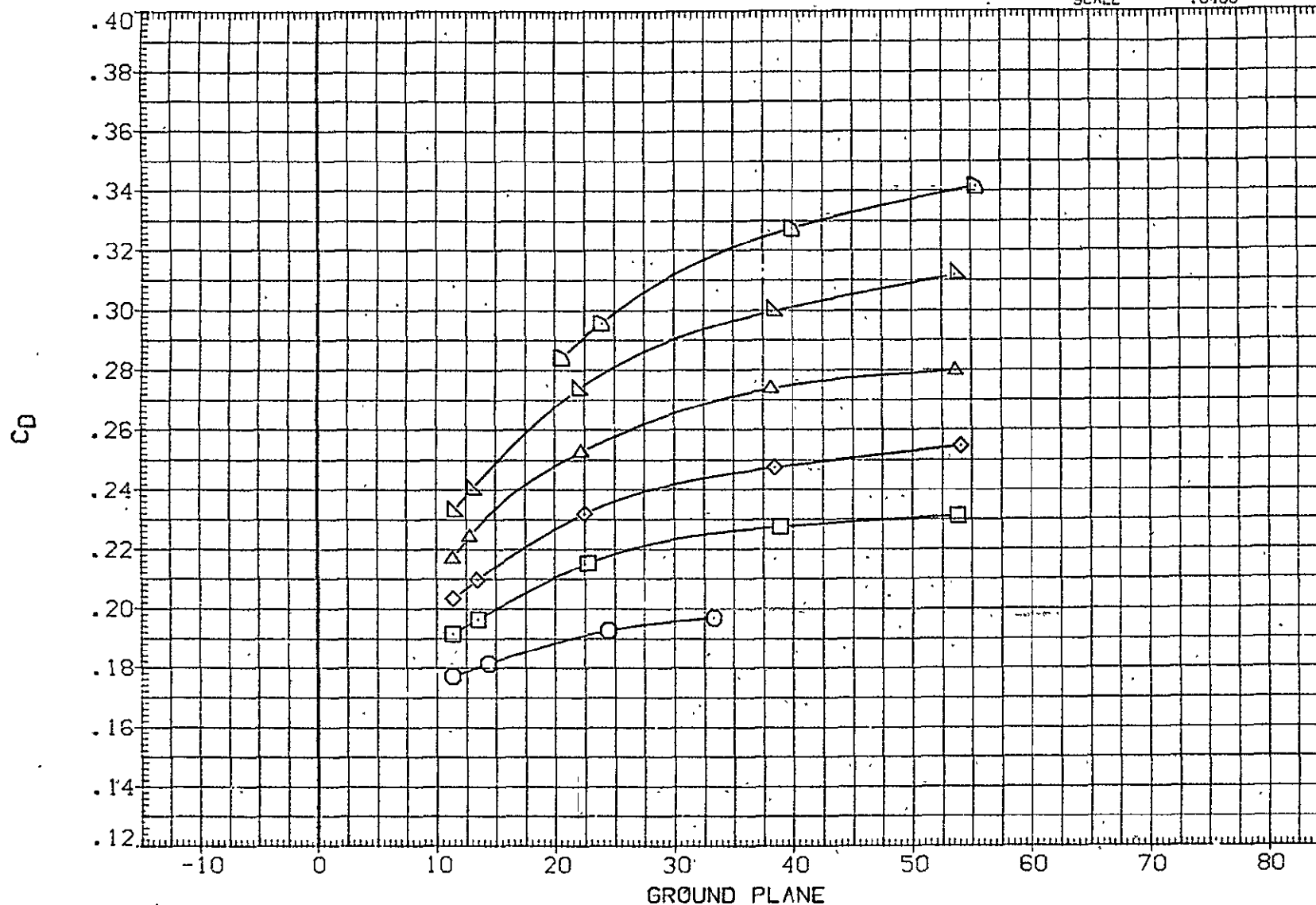


FIG 83 FERRY CON. IN GROUND PROXIMITY, HORIZ OFF, ELEVTR=-23, IORB=6, TC ON
MAIN BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(RJF193)	○	(CA-8) K3.1TS7 F30TS40165.3.5	.128	6.000	-11.700	-5.000	SREF	5500.0000	50.FT.
(RJF194)	□	(CA-8) K3.1TS7 F30TS40165.3.5	4.126	6.000	-11.700	-5.000	LREF	327.8000	IN.
(RJF195)	◇	(CA-8) K3.1TS7 F30TS40165.3.5	6.186	6.000	-11.700	-5.000	BREF	2348.0000	IN.
(RJF196)	△	(CA-8) K3.1TS7 F30TS40165.3.5	8.187	6.000	-11.700	-5.000	XMRP	1339.9100	IN.XC
(RJF197)	▽	(CA-8) K3.1TS7 F30TS40165.3.5	10.192	6.000	-11.700	-5.000	YMRP	.0000	IN.YC
(RJF198)	◻	(CA-8) K3.1TS7 F30TS40165.3.5	12.168	6.000	-11.700	-5.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

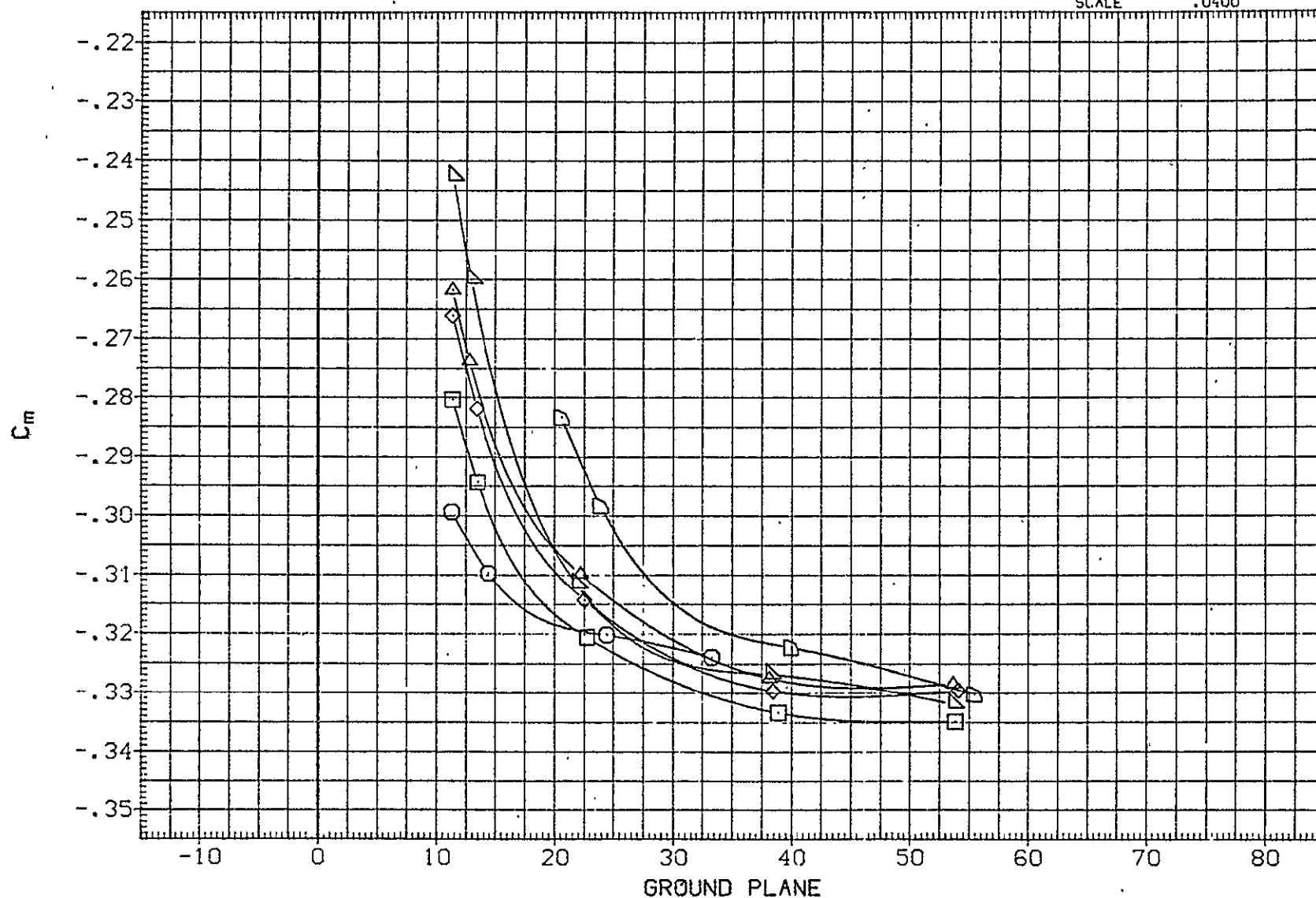


FIG 83 FERRY CON. IN GROUND PROXIMITY, HORIZ OFF, ELEVTR=-23, IORB=6, TC ON
MAIN BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(RJF180)	□	(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5	.151	6.000	-11.700	-5.000	SREF	5500.0000	50.FT.
(RJF175)	◇	(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5	4.171	6.000	-11.700	-5.000	LREF	327.8000	IN.
(RJF176)	△	(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5	6.173	6.000	-11.700	-5.000	BREF	2348.0000	IN.
(RJF177)	▽	(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5	8.173	6.000	-11.700	-5.000	XMRF	1339.9100	IN.XC
(RJF178)	◇	(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5	10.137	6.000	-11.700	-5.000	YMRP	.0000	IN.YC
(RJF179)	▽	(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5	12.198	6.000	-11.700	-5.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

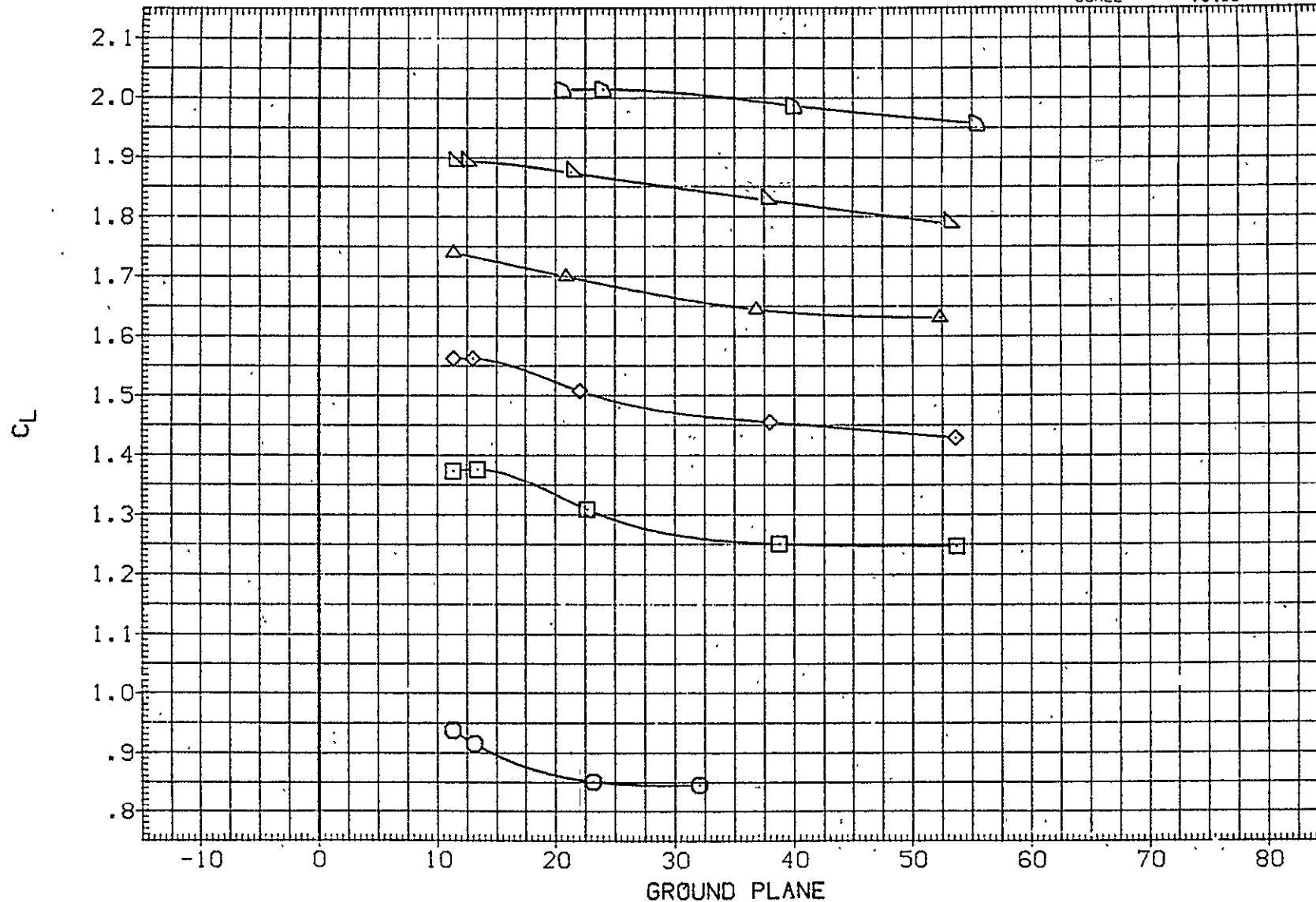


FIG 84 FERRY CON. IN GROUND PROXIMITY, STAB = 2, ELEVTR=-23, IORB=6, TC ON
MAIN BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA W	I ORB	BD FLAP	ELEVON	REFERENCE INFORMATION		
(RJF180)	○	(CA-8) K3.1TS7H15.6.1F30TS40165.3.5	.151	6.000	-11.700	-5.000	SREF	5500.0000	SQ. FT.
(RJF175)	□	(CA-8) K3.1TS7H15.6.1F30TS40165.3.5	4.171	6.000	-11.700	-5.000	LREF	327.8000	IN.
(RJF176)	◇	(CA-8) K3.1TS7H15.6.1F30TS40165.3.5	6.173	6.000	-11.700	-5.000	BREF	2348.0000	IN.
(RJF177)	△	(CA-8) K3.1TS7H15.6.1F30TS40165.3.5	8.173	6.000	-11.700	-5.000	XMRP	1339.9100	IN. XC
(RJF178)	▽	(CA-8) K3.1TS7H15.6.1F30TS40165.3.5	10.137	6.000	-11.700	-5.000	YMRP	.0000	IN. YC
(RJF179)	▷	(CA-8) K3.1TS7H15.6.1F30TS40165.3.5	12.198	6.000	-11.700	-5.000	ZMRP	190.7500	IN. ZC
							SCALE	.0400	

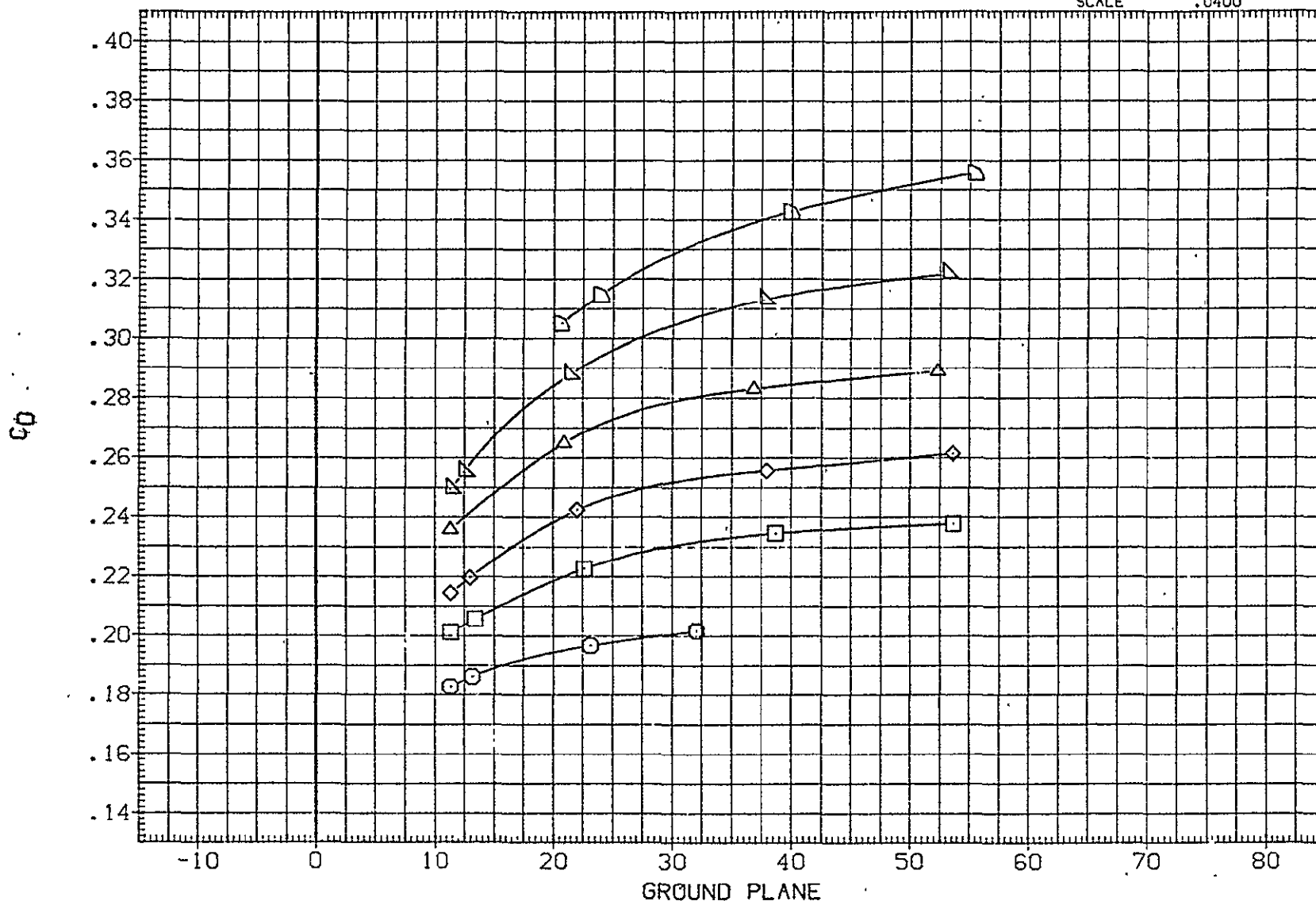


FIG 84 FERRY CON. IN GROUND PROXIMITY, STAB = 2, ELEVTR=-23, IORB=6, TC ON
MAIN BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA W	IORB	BD FLAP	ELEVON	REFERENCE INFORMATION		
(RJF180)	○	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	.151	6.000	-11.700	-5.000	SREF	5500.0000	50.FT.
(RJF175)	□	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	4.171	6.000	-11.700	-5.000	LREF	327.8000	IN.
(RJF176)	◇	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	6.173	6.000	-11.700	-5.000	BREF	2348.0000	IN.
(RJF177)	△	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	8.173	6.000	-11.700	-5.000	XM RP	1339.9100	IN.XC
(RJF178)	▽	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	10.137	6.000	-11.700	-5.000	YMRP	.0000	IN.YC
(RJF179)	◻	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	12.198	6.000	-11.700	-5.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

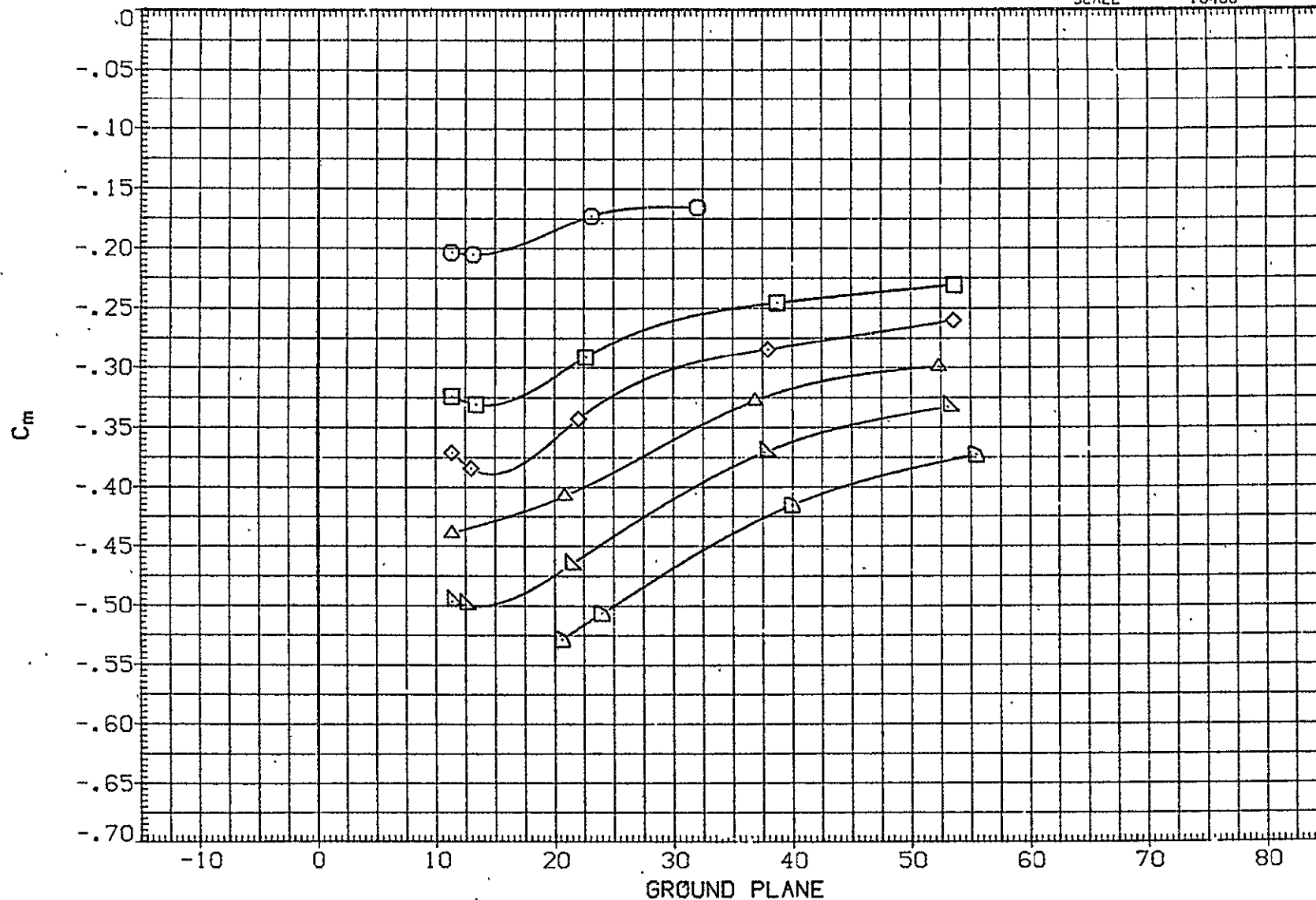


FIG 84 FERRY CON. IN GROUND PROXIMITY, STAB = 2, ELEVTR=-23, IORB=6, TC ON
MAIN BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA _W	I _{ORB}	BD _{FLAP}	ELEVON	REFERENCE INFORMATION		
(RJF181)	□	(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5	.167	6.000	-11.700	-5.000	SREF	5500.0000	SQ.FT.
(RJF182)	□	(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5	4.137	6.000	-11.700	-5.000	LREF	327.8000	IN.
(RJF183)	◇	(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5	6.180	6.000	-11.700	-5.000	BREF	2348.0000	IN.
(RJF184)	△	(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5	8.158	6.000	-11.700	-5.000	XMRP	1339.9100	IN.XC
(RJF185)	△	(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5	10.175	6.000	-11.700	-5.000	YMRP	.0000	IN.YC
(RJF186)	△	(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5	12.161	6.000	-11.700	-5.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

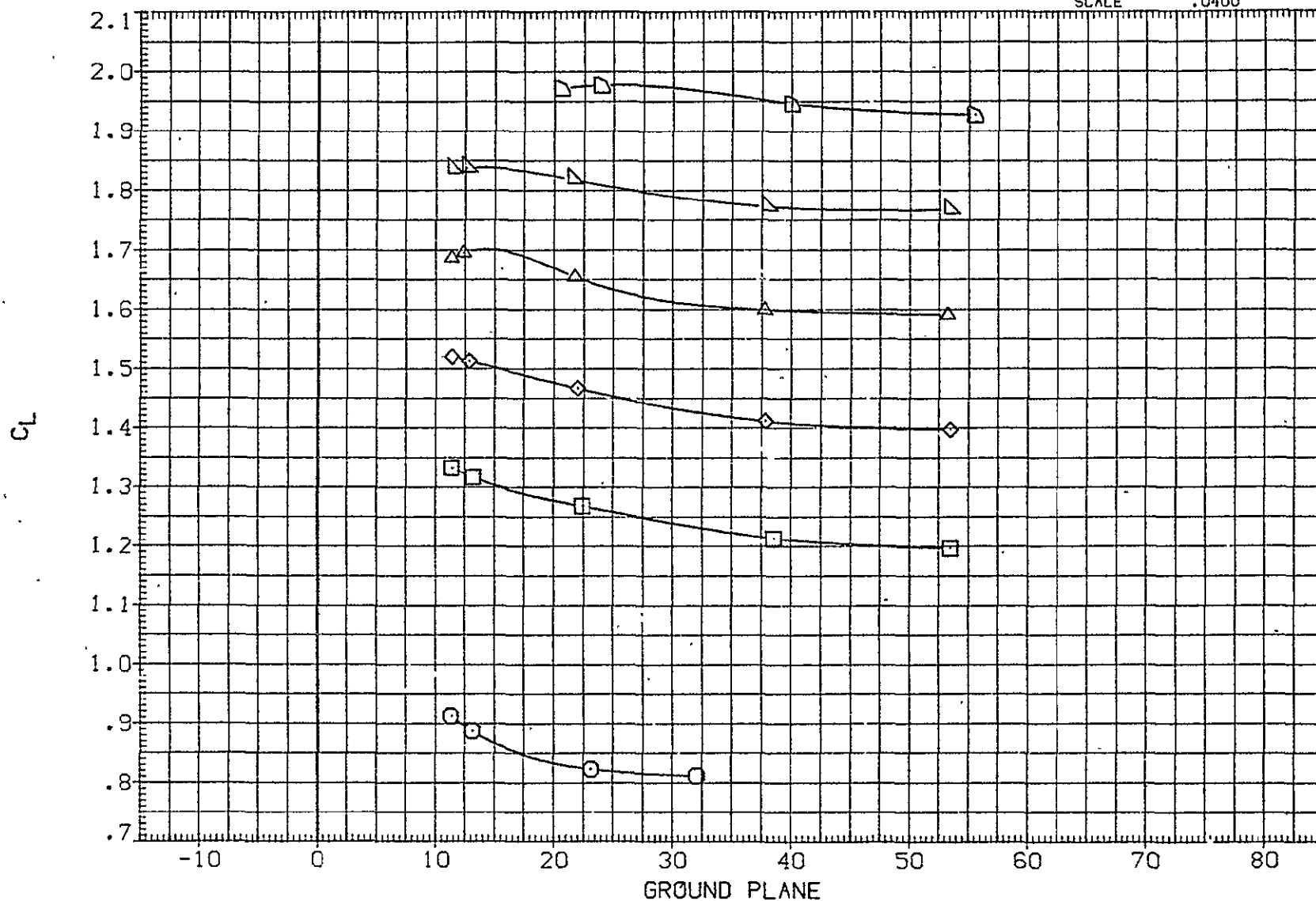


FIG 85 FERRY CON. IN GROUND PROXIMITY, STAB = 0, ELEVTR=-23, I_{ORB}=6, TC ON
MAIN BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(RJF181)	○	(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5	.167	6.000	-11.700	-5.000	SREF	5500.0000	50.FT.
(RJF182)	□	(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5	4.137	6.000	-11.700	-5.000	LREF	327.8000	IN.
(RJF183)	◇	(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5	6.180	6.000	-11.700	-5.000	BREF	2348.0000	IN.
(RJF184)	△	(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5	8.158	6.000	-11.700	-5.000	XMRP	1339.9100	IN. XC
(RJF185)	▽	(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5	10.175	6.000	-11.700	-5.000	YMRP	.0000	IN. YC
(RJF186)	◁	(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5	12.161	6.000	-11.700	-5.000	ZMRP	190.7500	IN. ZC
							SCALE	.0400	

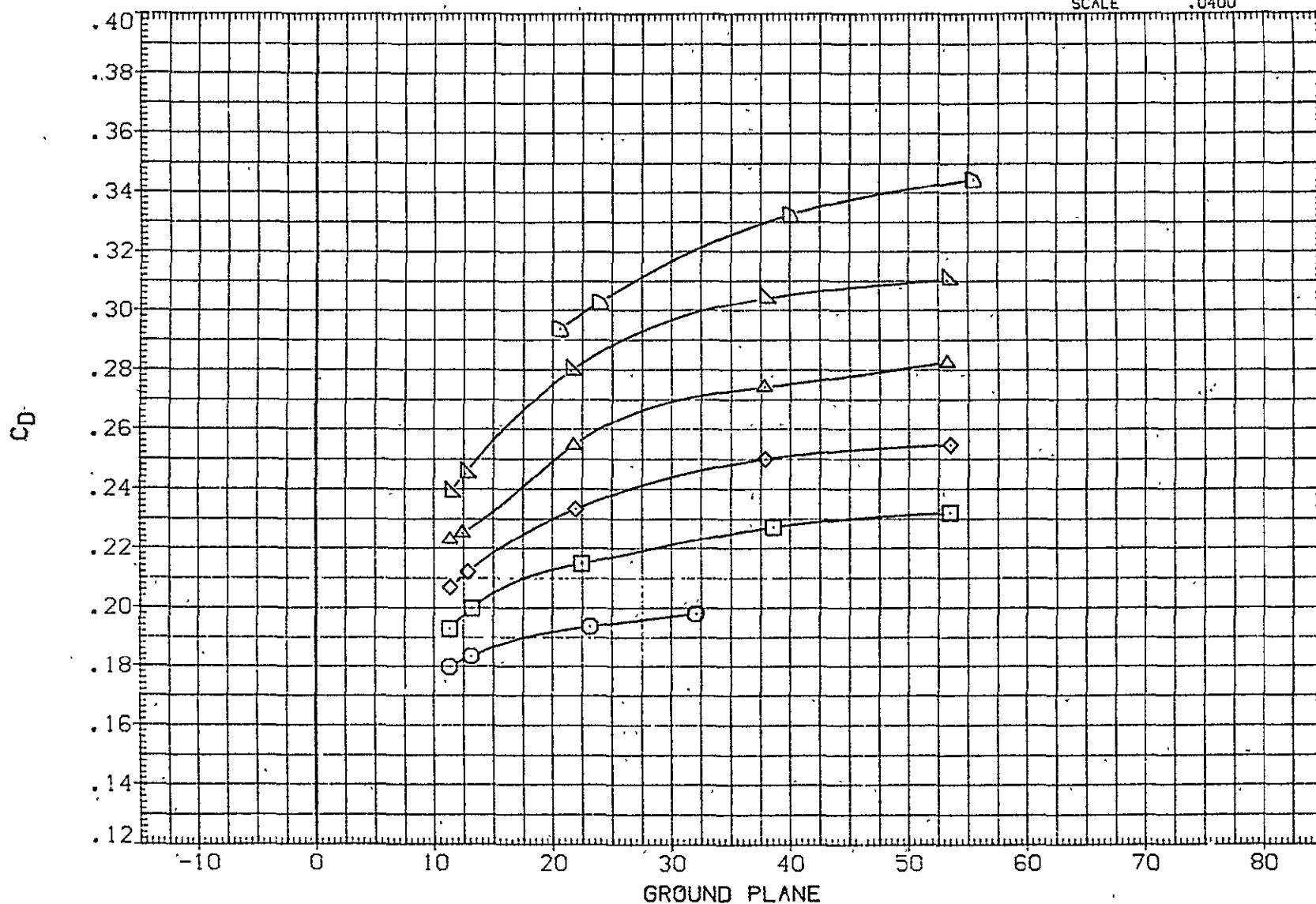


FIG 85 FERRY CON. IN GROUND PROXIMITY, STAB = 0. ELEVTR=-23. IORB=6. TC ON
MAIN BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(RJF181)	○	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	.167	6.000	-11.700	-5.000	SREF	5500.0000	SQ.FT.
(RJF182)	□	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	4.137	6.000	-11.700	-5.000	LREF	327.8000	IN.
(RJF183)	◇	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	6.180	6.000	-11.700	-5.000	BREF	2348.0000	IN.
(RJF184)	△	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	8.158	6.000	-11.700	-5.000	XMRP	1339.9100	IN. XC
(RJF185)	▽	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	10.175	6.000	-11.700	-5.000	YMRP	.0000	IN. YC
(RJF186)	▷	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	12.161	6.000	-11.700	-5.000	ZMRP	190.7500	IN. ZC
							SCALE	.0400	

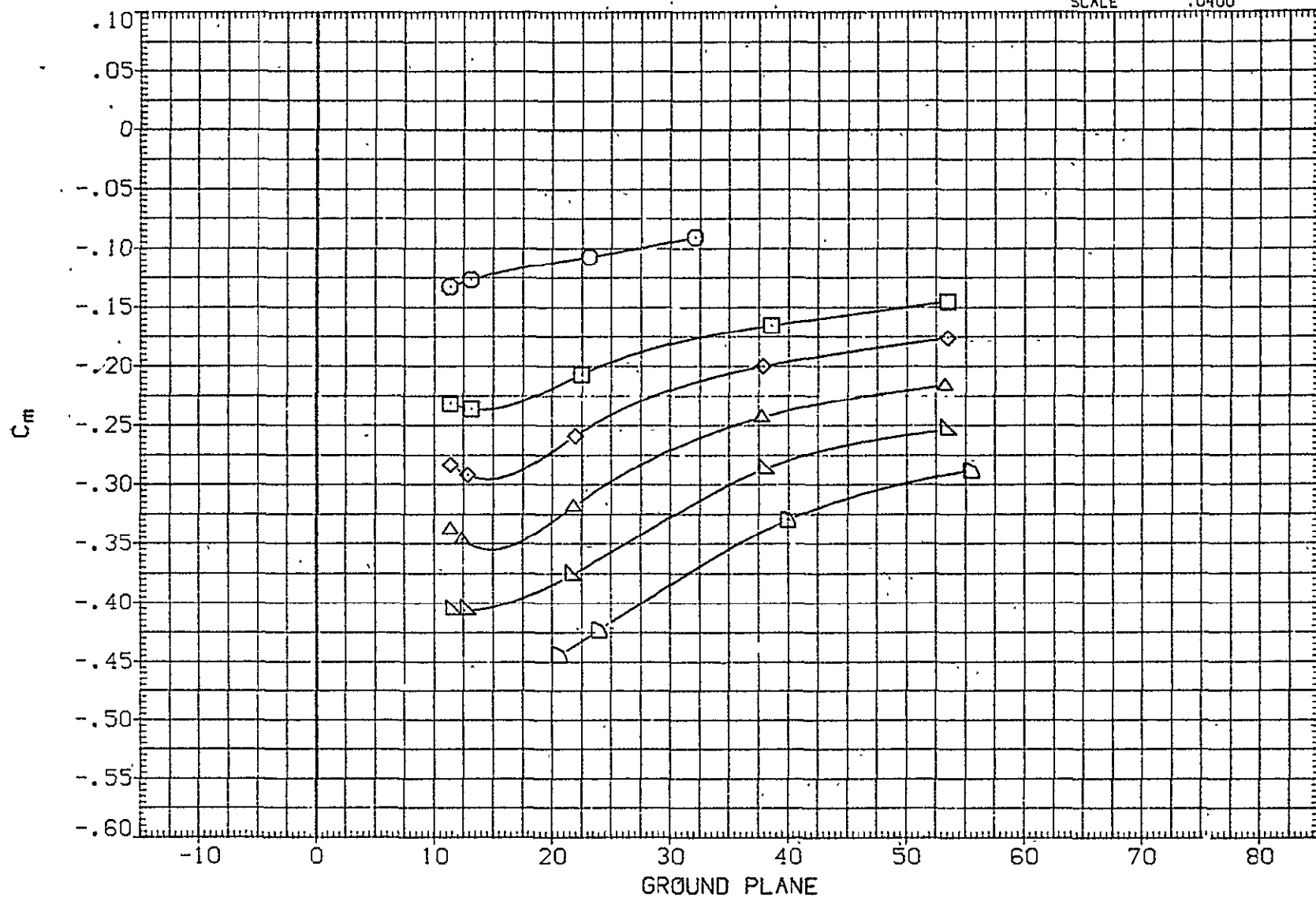


FIG 85 FERRY CON. IN GROUND PROXIMITY, STAB = 0, ELEVTR=-23, IORB=6, TC ON
MAIN BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(RJF187)	□	(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5	.179	6.000	-11.700	-5.000	SREF	5500.0000	SQ.FT.
(RJF188)	◇	(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5	4.122	6.000	-11.700	-5.000	LREF	327.8000	IN.
(RJF189)	△	(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5	6.123	6.000	-11.700	-5.000	BREF	2348.0000	IN.
(RJF190)	▽	(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5	8.153	6.000	-11.700	-5.000	XM RP	1339.9100	IN.XC
(RJF191)	□	(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5	10.190	6.000	-11.700	-5.000	YM RP	.0000	IN.YC
(RJF192)	◇	(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5	12.151	6.000	-11.700	-5.000	ZM RP	190.7500	IN.ZC
							SCALE	.0400	

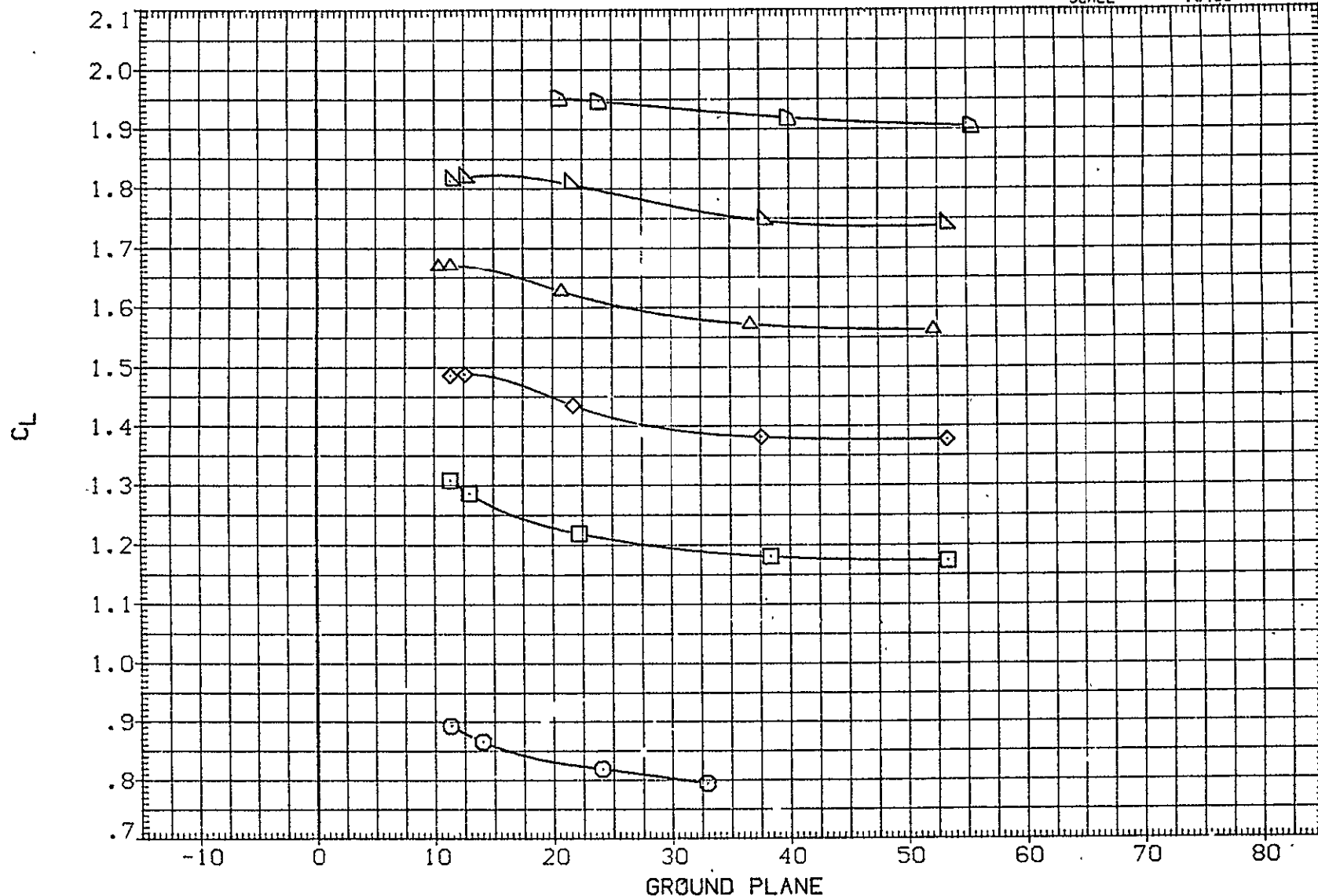


FIG 86 FERRY CON. IN GROUND PROXIMITY, STAB = -2, ELEVTR=-23, IORB=6, TC ON
MAIN BALANCE DATA-GP SWEEPS

(A)MACH = .15

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DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(RJF187)	□	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	.179	6.000	-11.700	-5.000	SREF	5500.0000	50.FT.
(RJF188)	◇	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	4.122	6.000	-11.700	-5.000	LREF	327.8000	IN.
(RJF189)	◇	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	6.123	6.000	-11.700	-5.000	BREF	2348.0000	IN.
(RJF190)	△	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	8.153	6.000	-11.700	-5.000	XMRP	1339.9100	IN.XC
(RJF191)	△	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	10.190	6.000	-11.700	-5.000	YMRP	.0000	IN.YC
(RJF192)	△	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	12.151	6.000	-11.700	-5.000	ZMPP	190.7500	IN.ZC
							SCALE	.0400	

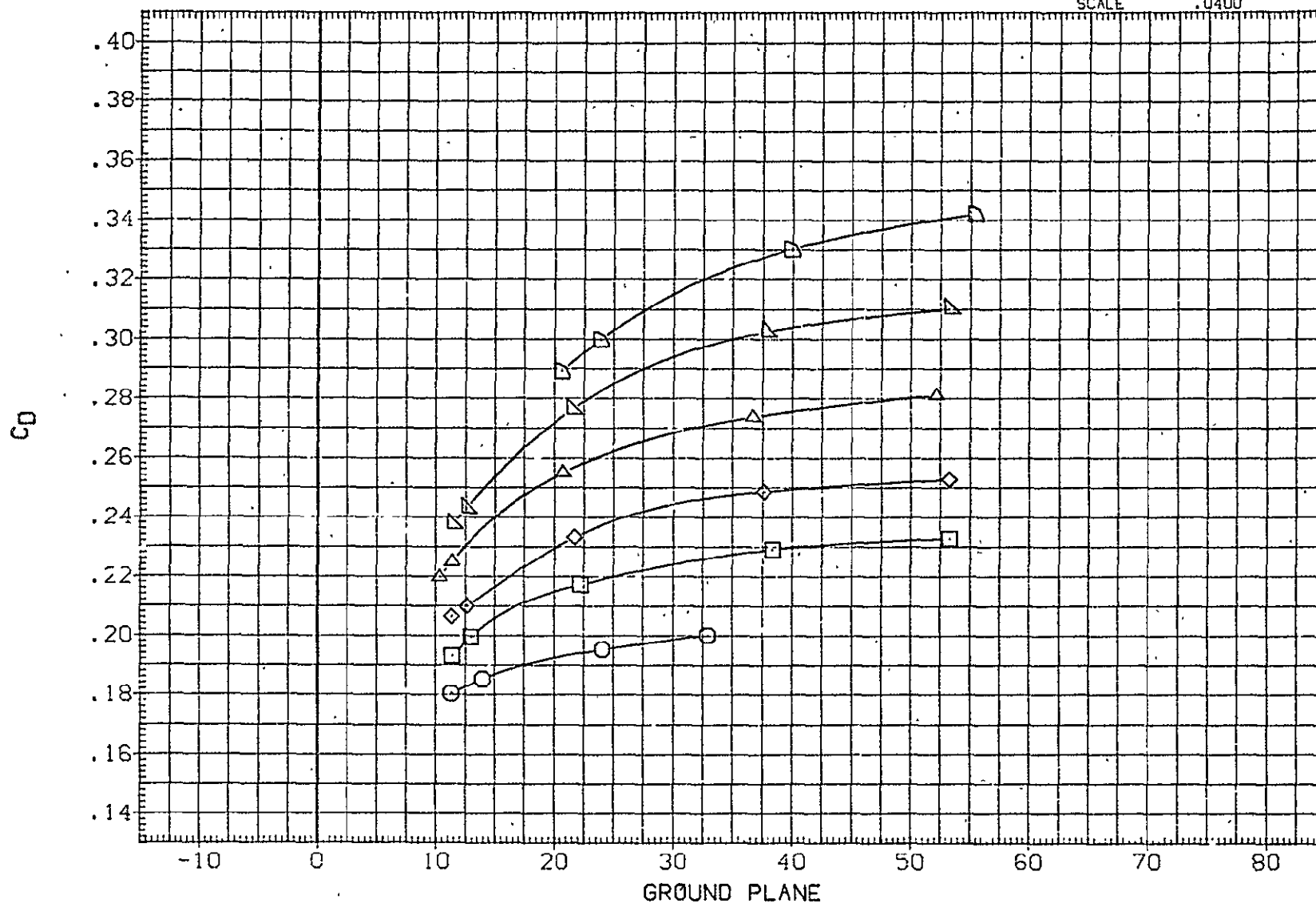


FIG 86 FERRY CON. IN GROUND PROXIMITY, STAB = -2, ELEVTR=-23, IORB=6, TC ON
MAIN BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BOFLAP	ELEVON	REFERENCE INFORMATION		
(RJF187)	○	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	.179	6.000	-11.700	-5.000	SREF	5500.0000	SQ.FT.
(RJF188)	◻	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	4.122	6.000	-11.700	-5.000	LREF	327.8000	IN.
(RJF189)	◇	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	6.123	6.000	-11.700	-5.000	BREF	2348.0000	IN.
(RJF190)	△	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	8.153	6.000	-11.700	-5.000	XMRP	1339.9100	IN.XC
(RJF191)	▽	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	10.190	6.000	-11.700	-5.000	YMRP	.0000	IN.YC
(RJF192)	◊	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	12.151	6.000	-11.700	-5.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

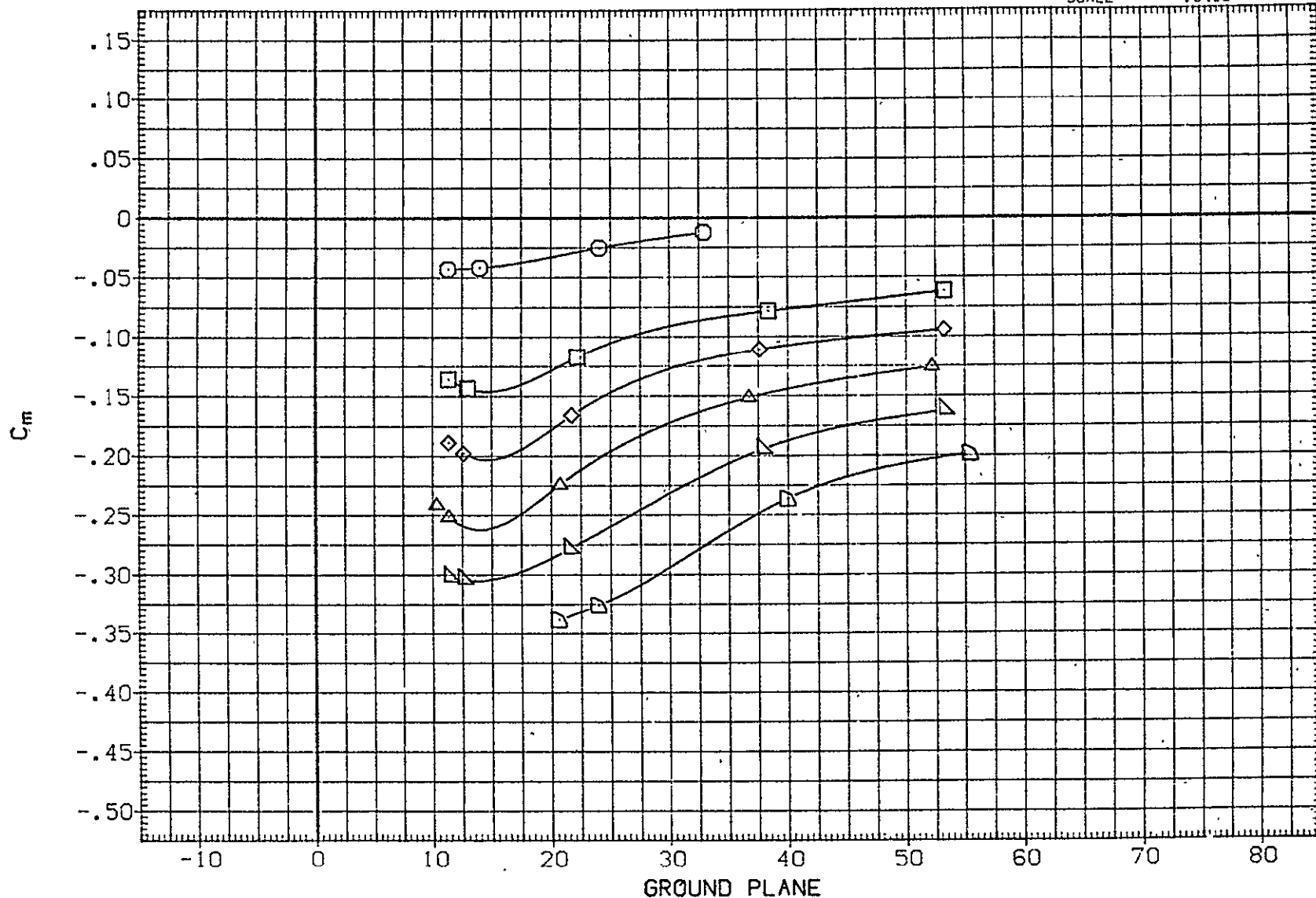


FIG 86 FERRY CON. IN GROUND PROXIMITY, STAB = -2, ELEVTR=-23, IORB=6, TC ON
MAIN BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA _W	I _{ORB}	BDFLAP	ELEVON	REFERENCE INFORMATION		
(RJF199)	○	(CA-8) K3.1TS7H15.6.1F30TS40165.3.5	.171	6.000	-11.700	-5.000	SREF	5500.0000	SO.FT.
(RJF200)	□	(CA-8) K3.1TS7H15.6.1F30TS40165.3.5	4.098	6.000	-11.700	-5.000	LREF	327.8000	IN.
(RJF201)	◇	(CA-8) K3.1TS7H15.6.1F30TS40165.3.5	6.137	6.000	-11.700	-5.000	BREF	2348.0000	IN.
(RJF202)	△	(CA-8) K3.1TS7H15.6.1F30TS40165.3.5	8.191	6.000	-11.700	-5.000	XMRP	1339.9100	IN.XC
(RJF203)	▽	(CA-8) K3.1TS7H15.6.1F30TS40165.3.5	10.129	6.000	-11.700	-5.000	YMRP	.0000	IN.YC
(RJF204)	◻	(CA-8) K3.1TS7H15.6.1F30TS40165.3.5	12.192	6.000	-11.700	-5.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

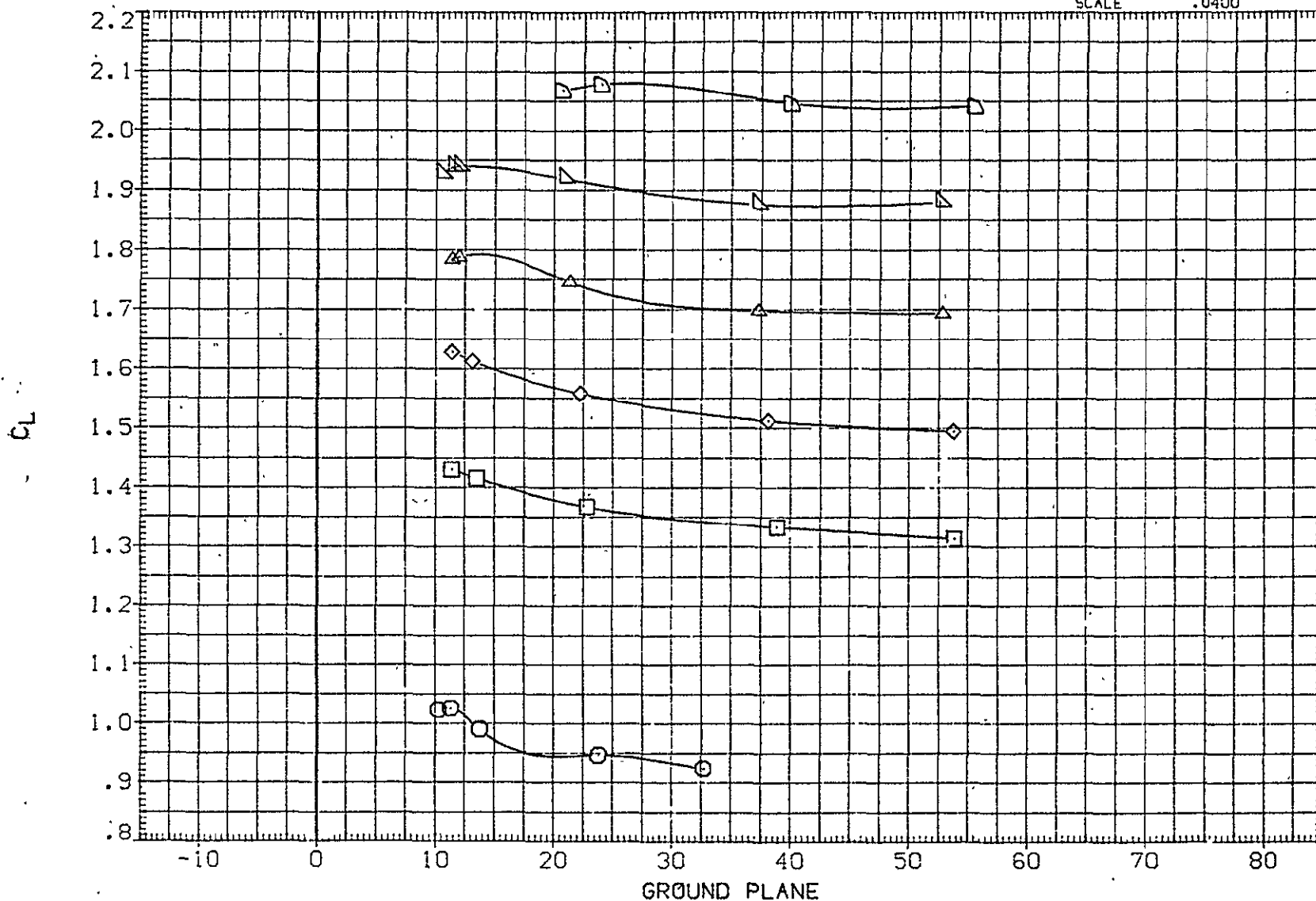


FIG 87 FERRY CON. IN GROUND PROXIMITY, STAB = 0, ELEVTR= 17, I_{ORB}=6, TC ON
MAIN BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(RJF199)	○	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	.171	6.000	-11.700	-5.000	SREF	5500.0000	SQ.FT.
(RJF200)	◇	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	4.098	6.000	-11.700	-5.000	LREF	327.8000	IN.
(RJF201)	◇	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	6.137	6.000	-11.700	-5.000	BREF	2348.0000	IN.
(RJF202)	△	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	8.191	6.000	-11.700	-5.000	XMRF	1339.9100	IN.XC
(RJF203)	△	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	10.129	6.000	-11.700	-5.000	YMRF	.0000	IN.YC
(RJF204)	△	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	12.192	6.000	-11.700	-5.000	ZMRF	190.7500	IN.ZC
							SCALE	.0400	

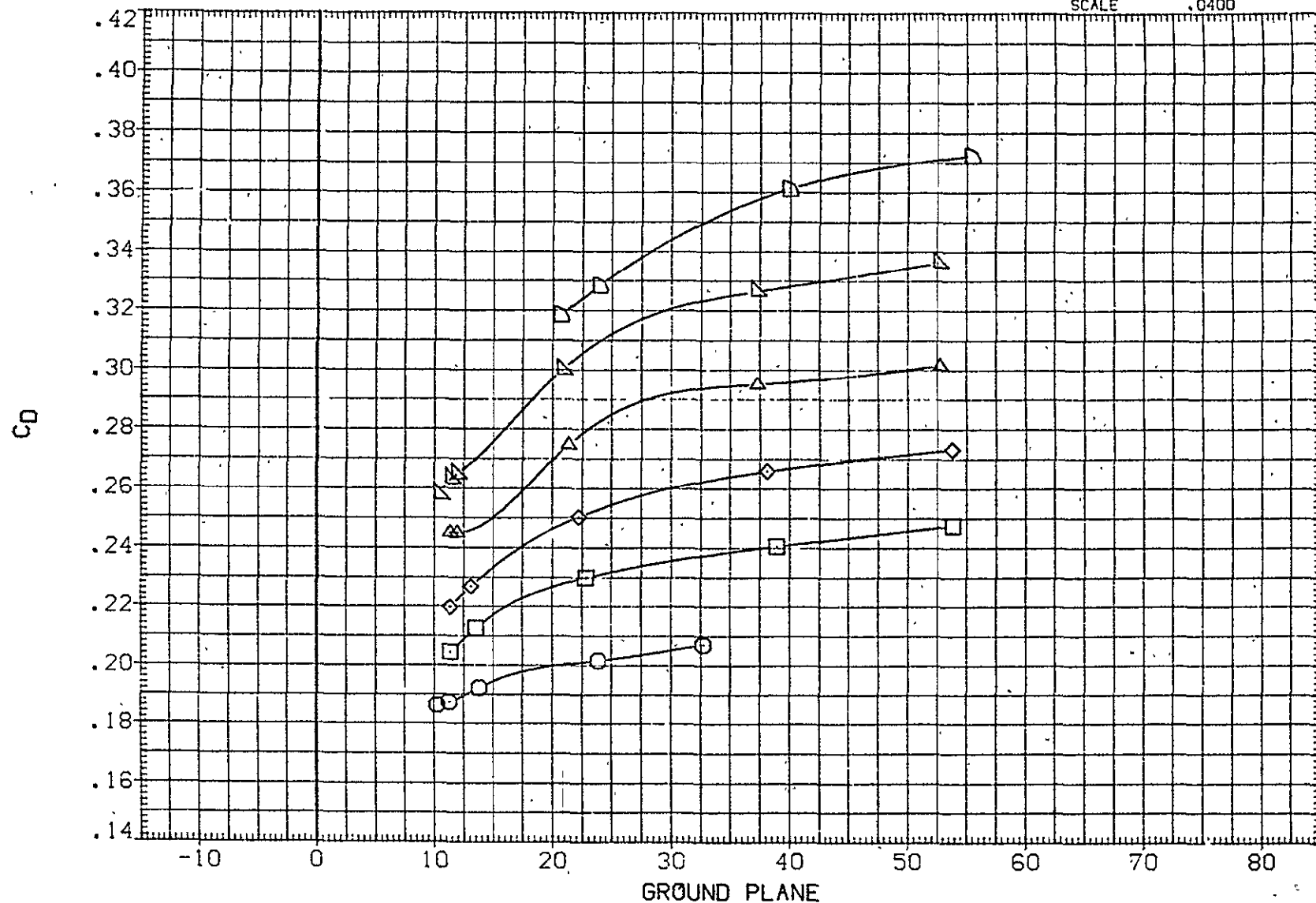


FIG 87 FERRY CON. IN GROUND PROXIMITY, STAB = 0, ELEVTR= 17, IORB=6, TC ON
MAIN BALANCE DATA-GP SWEEPS

(A)MACH = .15

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DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	IORB	BOFLAP	ELEVON	REFERENCE INFORMATION		
(RJF199)	○	(CA-8) K3.1TS7H15.6.1F30TS40165.3.5	.171	6.000	-11.700	-5.000	SREF	5500.0000	SQ.FT.
(RJF200)	□	(CA-8) K3.1TS7H15.6.1F30TS40165.3.5	4.098	6.000	-11.700	-5.000	LREF	327.8000	IN.
(RJF201)	◇	(CA-8) K3.1TS7H15.6.1F30TS40165.3.5	6.137	6.000	-11.700	-5.000	BREF	2348.0000	IN.
(RJF202)	△	(CA-8) K3.1TS7H15.6.1F30TS40165.3.5	8.191	6.000	-11.700	-5.000	XMRP	1339.9100	IN.XC
(RJF203)	▽	(CA-8) K3.1TS7H15.6.1F30TS40165.3.5	10.129	6.000	-11.700	-5.000	YMRP	.0000	IN.YC
(RJF204)	◊	(CA-8) K3.1TS7H15.6.1F30TS40165.3.5	12.192	6.000	-11.700	-5.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

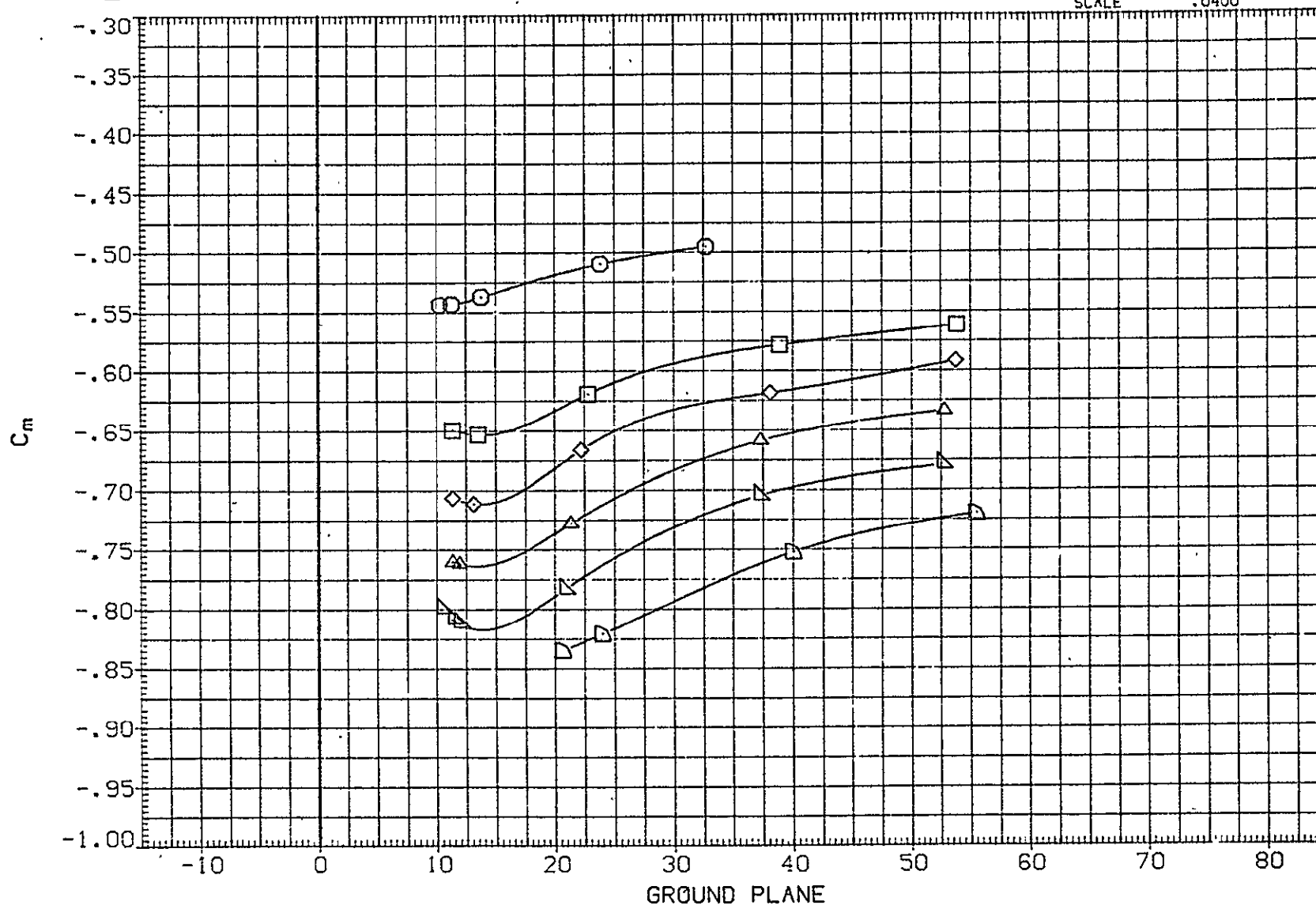


FIG 87 FERRY CON. IN GROUND PROXIMITY, STAB = 0, ELEVTR= 17, IORB=6, TC ON
MAIN BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(RJF169)	○	(CA-8) K3.1TS7H15.6.1F30TS40165.3.5	.183	6.000	-11.700	-5.000	SREF	5500.0000	SQ.FT.
(PJF170)	□	(CA-8) K3.1TS7H15.6.1F30TS40165.3.5	4.177	6.000	-11.700	-5.000	LREF	327.8000	IN.
(RJF171)	△	(CA-8) K3.1TS7H15.6.1F30TS40165.3.5	6.229	6.000	-11.700	-5.000	BREF	2348.0000	IN.
(RJF172)	◇	(CA-8) K3.1TS7H15.6.1F30TS40165.3.5	8.146	6.000	-11.700	-5.000	XMRP	1339.9100	IN.XC
(RJF173)	▽	(CA-8) K3.1TS7H15.6.1F30TS40165.3.5	10.106	6.000	-11.700	-5.000	YMRP	.0000	IN.YC
(RJF174)	◁	(CA-8) K3.1TS7H15.6.1F30TS40165.3.5	12.126	6.000	-11.700	-5.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

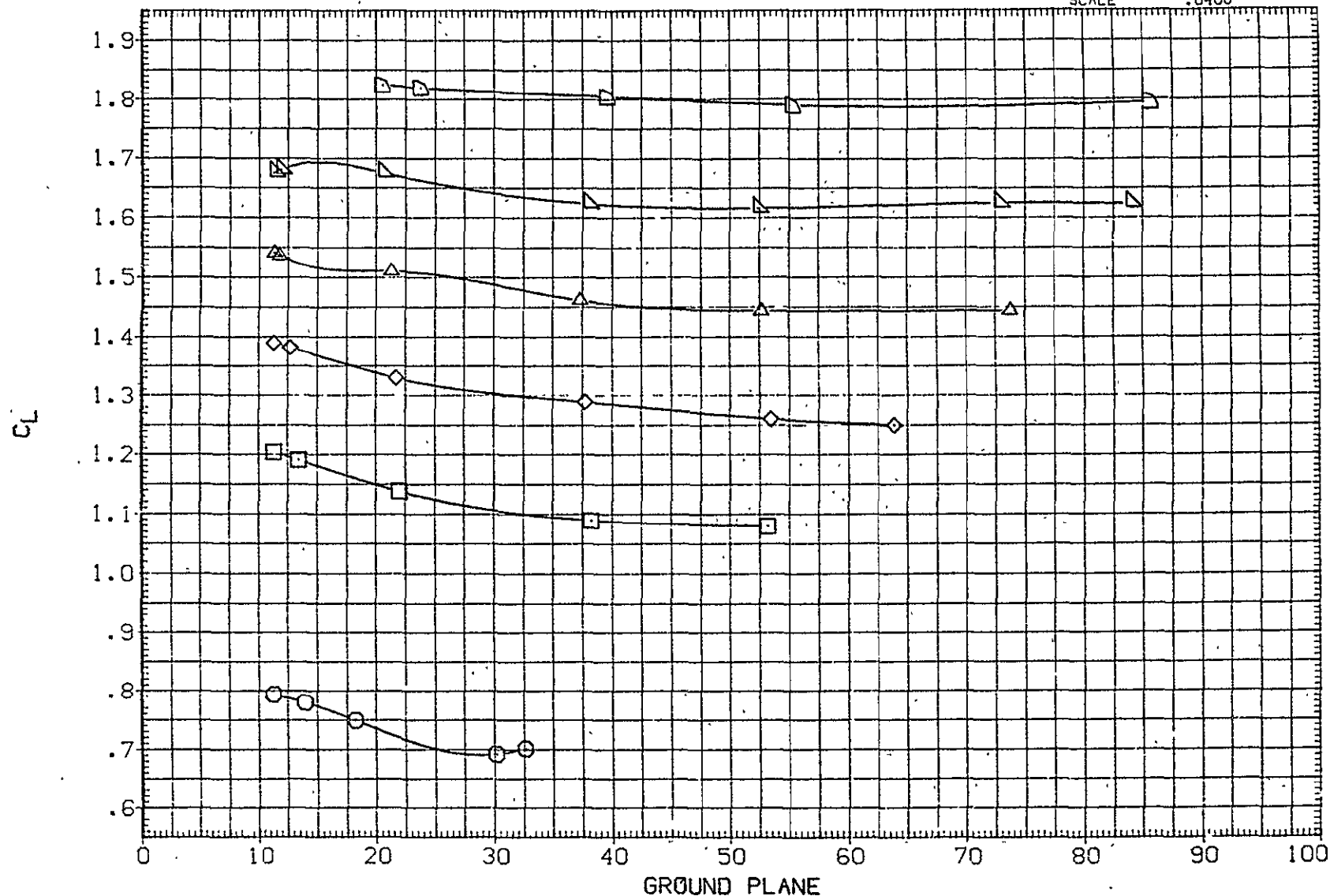


FIG 88 FERRY CON. IN GROUND PROXIMITY. STAB = 0, ELEVTR=-23, IORB=6, TC ON MAIN BALANCE DATA-GP SWEEPS

(A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(RJF169)	○	(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5	.183	6.000	-11.700	-5.000	SREF	5500.0000	SQ.FT.
(RJF170)	□	(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5	4.177	6.000	-11.700	-5.000	LREF	327.8000	IN.
(RJF171)	◇	(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5	6.229	6.000	-11.700	-5.000	BREF	2348.0000	IN.
(RJF172)	△	(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5	8.146	6.000	-11.700	-5.000	XMRF	1339.9100	IN.XC
(RJF173)	▽	(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5	10.106	6.000	-11.700	-5.000	YMRF	.0000	IN.YC
(RJF174)	◁	(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5	12.126	6.000	-11.700	-5.000	ZMRF	190.7500	IN.ZC
							SCALE	.0400	

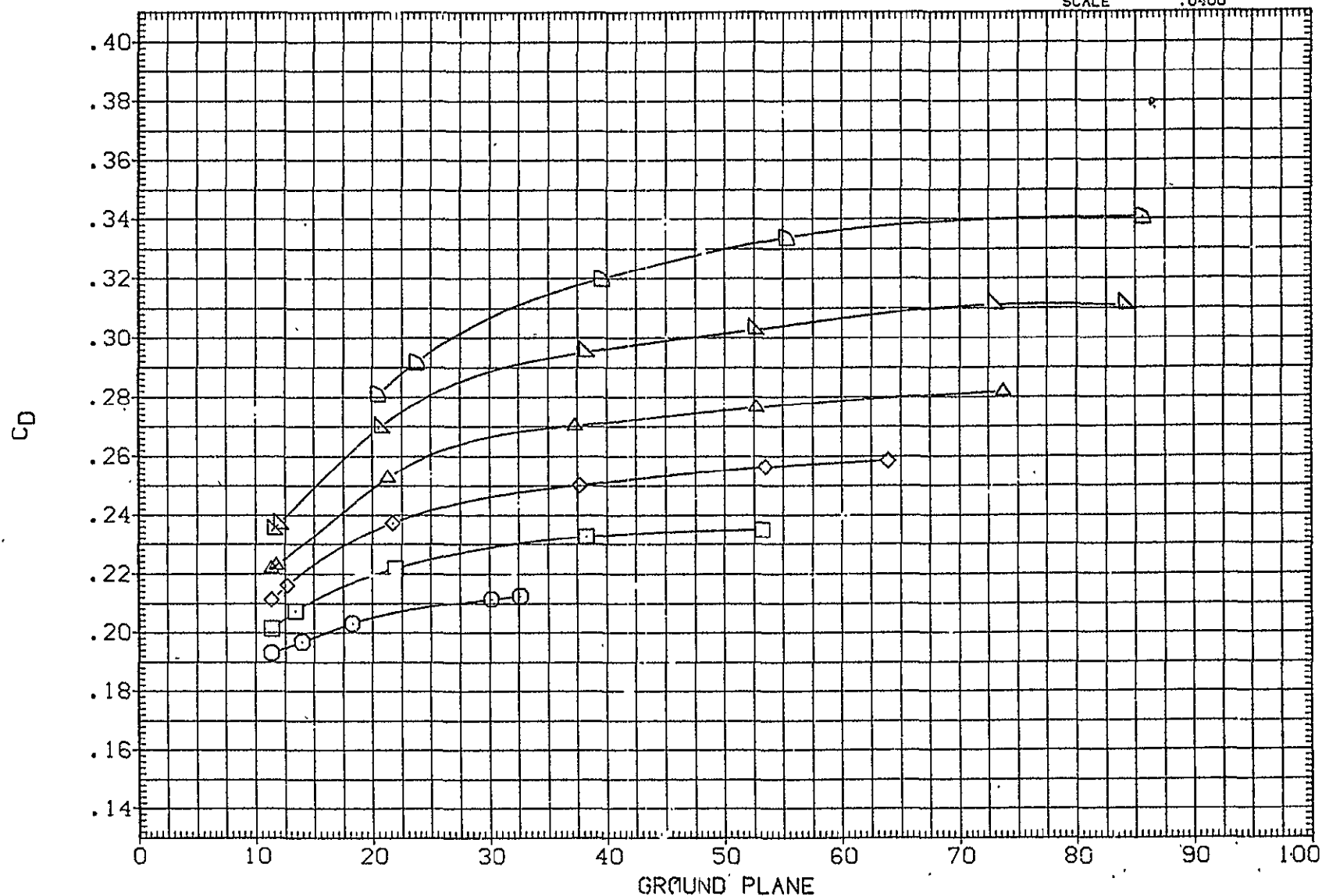


FIG 88 FERRY CON. IN GROUND PROXIMITY, STAB = 0, ELEVTR=-23, IORB=6, TC ON
MAIN BALANCE DATA-GP SWEEPS

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	IORB	BOFLAP	ELEVON	REFERENCE INFORMATION		
(RJF169)	○	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	.183	6.000	-11.700	-5.000	SREF	5500.0000	50.FT.
(RJF170)	□	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	4.177	6.000	-11.700	-5.000	LREF	327.8000	IN.
(RJF171)	◇	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	6.229	6.000	-11.700	-5.000	BREF	2348.0000	IN.
(RJF172)	△	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	8.146	6.000	-11.700	-5.000	XMRP	1339.9100	IN..XC.
(RJF173)	▽	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	10.106	6.000	-11.700	-5.000	YMRP	.0000	IN..YC.
(RJF174)	▷	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	12.126	6.000	-11.700	-5.000	ZMRP	190.7500	IN..ZC.
							SCALE	.0400	

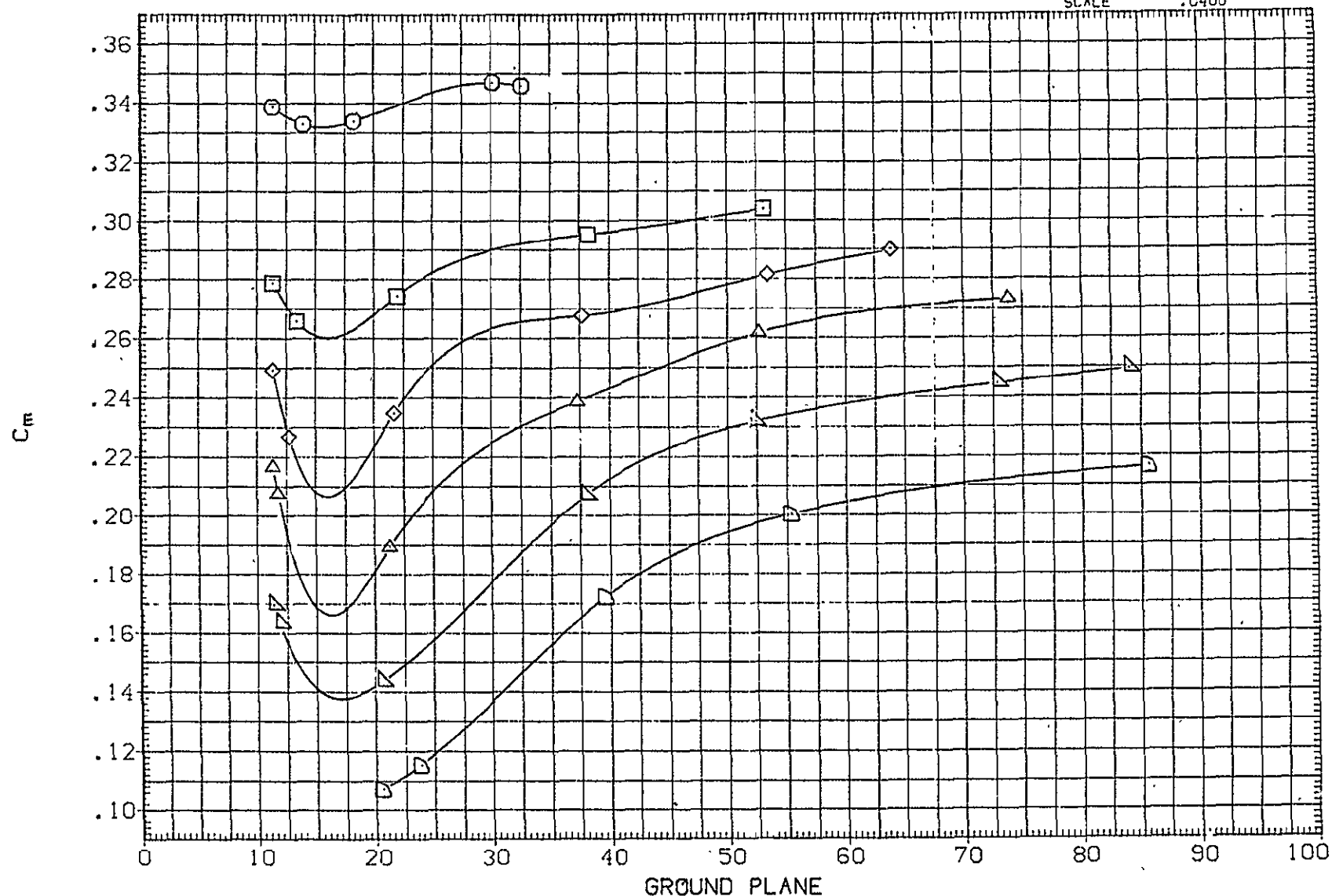


FIG 88 FERRY CON. IN GROUND PROXIMITY, STAB = 0, ELEVTR=-23, IORB=6, TC ON
MAIN BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	IORB	BOFLAP	ELEVON	REFERENCE INFORMATION		
(PJF404)	□	(CA-8) K2.1TS7 F10TS401G5.3.5	.144	3.000	-11.700	.000	SREF	5500.0000	50.FT.
(RJF405)	○	(CA-8) K2.1TS7 F10TS401G5.3.5	4.201	3.000	-11.700	.000	LREF	327.8000	IN.
(RJF406)	◇	(CA-8) K2.1TS7 F10TS401G5.3.5	6.129	3.000	-11.700	.000	BREF	2348.0000	IN.
(RJF407)	△	(CA-8) K2.1TS7 F10TS401G5.3.5	8.129	3.000	-11.700	.000	XMRP	1339.9100	IN.XC
(RJF408)	▽	(CA-8) K2.1TS7 F10TS401G5.3.5	10.123	3.000	-11.700	.000	YMRP	.0000	IN.YC
(RJF409)	◻	(CA-8) K2.1TS7 F10TS401G5.3.5	12.202	3.000	-11.700	.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

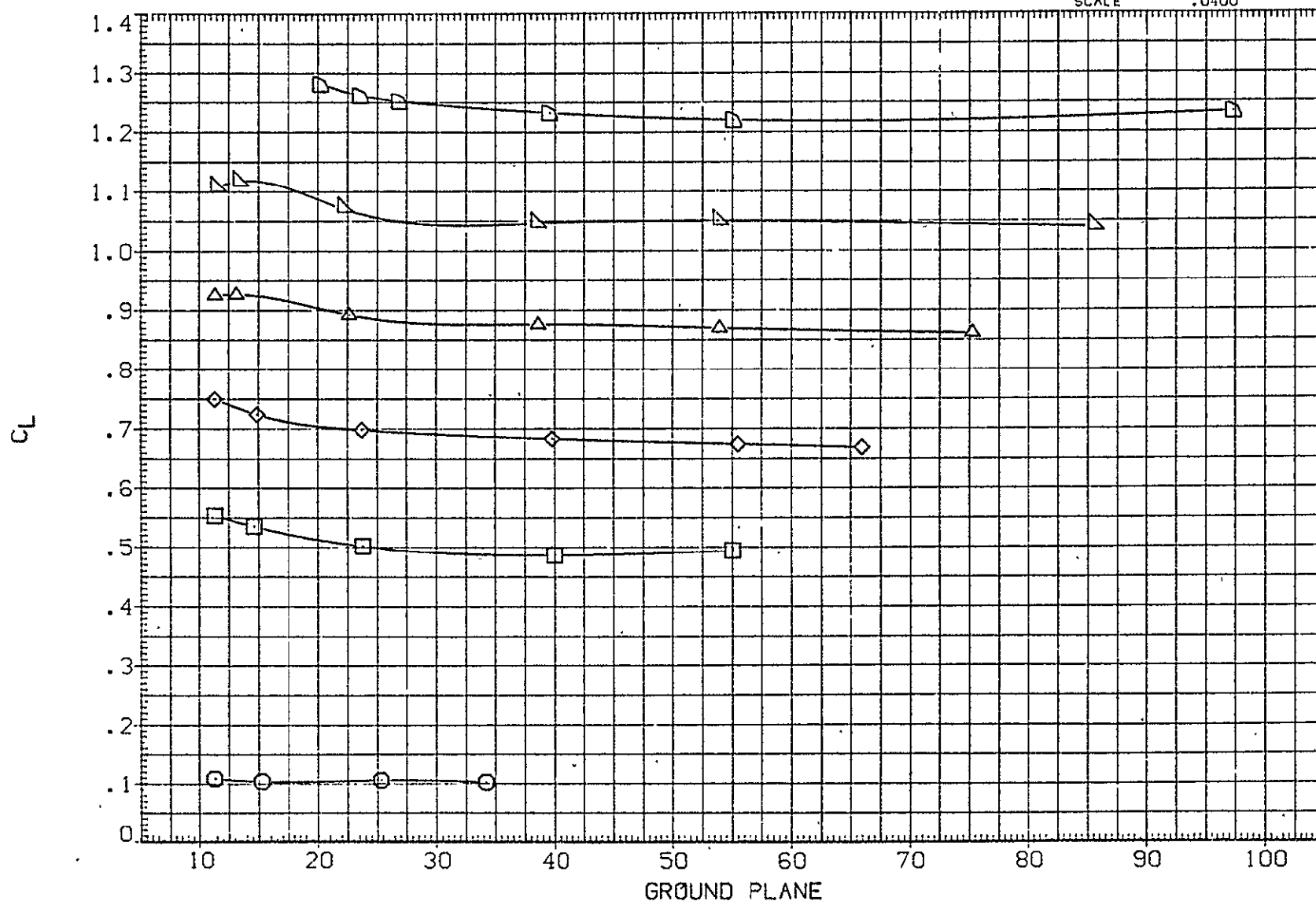


FIG 89 FERRY CON. IN GROUND PROXIMITY, HORIZ OFF FLAPS 10 IORB=3, TC ON
MAIN BALANCE DATA-GP SWEEPS

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(RJF404)	○	(CA-8) K2.1TS7 F10TS401G5.3.5	.144	3.000	-11.700	.000	SREF	5500.0000	50.FT.
(RJF405)	□	(CA-8) K2.1TS7 F10TS401G5.3.5	4.201	3.000	-11.700	.000	LREF	327.8000	IN.
(RJF406)	◇	(CA-8) K2.1TS7 F10TS401G5.3.5	8.129	3.000	-11.700	.000	BREF	2348.0000	IN.
(RJF407)	△	(CA-8) K2.1TS7 F10TS401G5.3.5	8.129	3.000	-11.700	.000	XMRP	1339.9100	IN.XC
(RJF408)	▽	(CA-8) K2.1TS7 F10TS401G5.3.5	10.123	3.000	-11.700	.000	YMRP	.0000	IN.YC
(RJF409)	▽	(CA-8) K2.1TS7 F10TS401G5.3.5	12.202	3.000	-11.700	.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

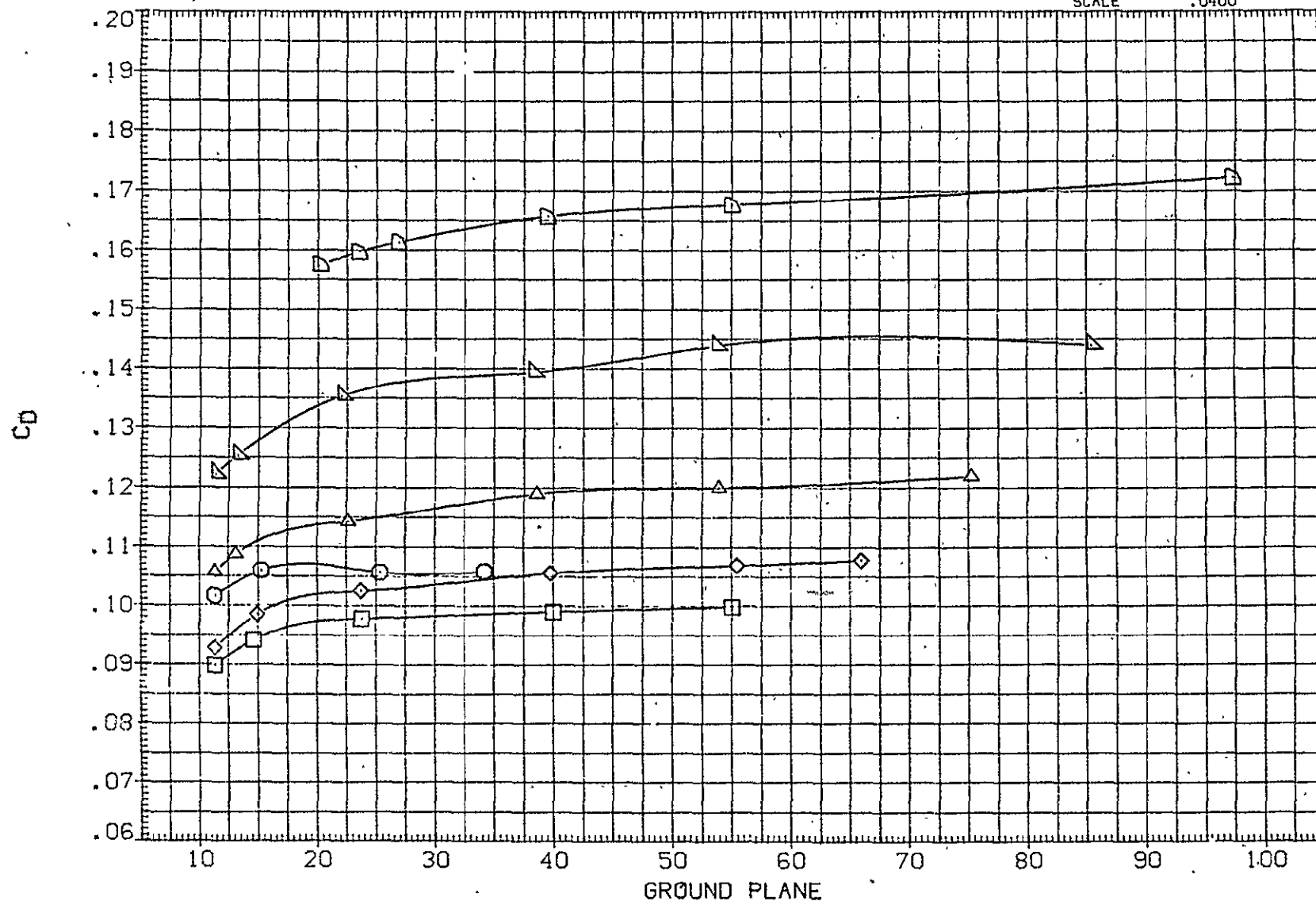


FIG 89 FERRY CON. IN GROUND PROXIMITY, HORIZ OFF FLAPS 10 IORB=3, TC ON
MAIN BALANCE DATA-GP SWEEPS

(A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(RJF404)	○	(CA-8) K2.1TS7 F10TS401G5.3.5	.144	3.000	-11.700	.000	SREF	5500.0000	50. FT.
(RJF405)	□	(CA-8) K2.1TS7 F10TS401G5.3.5	4.201	3.000	-11.700	.000	LREF	327.8000	IN.
(RJF406)	◇	(CA-8) K2.1TS7 F10TS401G5.3.5	6.129	3.000	-11.700	.000	BREF	2348.0000	IN.
(RJF407)	△	(CA-8) K2.1TS7 F10TS401G5.3.5	8.129	3.000	-11.700	.000	XMRP	1339.9100	IN. XC
(RJF408)	▽	(CA-8) K2.1TS7 F10TS401G5.3.5	10.123	3.000	-11.700	.000	YMRP	.0000	IN. YC
(RJF409)	◻	(CA-8) K2.1TS7 F10TS401G5.3.5	12.202	3.000	-11.700	.000	ZMRP	190.7500	IN. ZC
							SCALE	.0400	

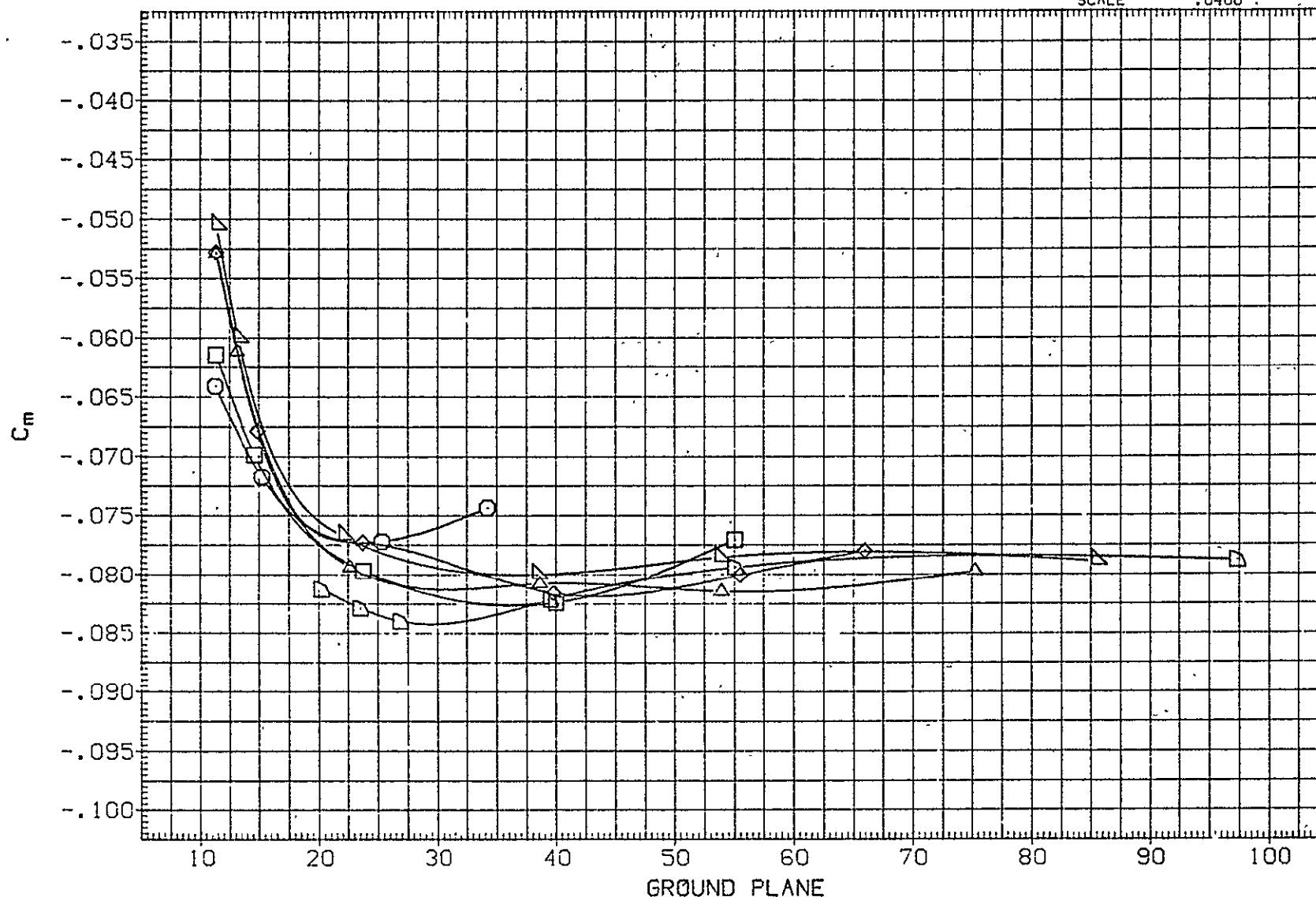


FIG 89 FERRY CON. IN GROUND PROXIMITY, HORIZ OFF FLAPS 10 IORB=3, TC ON
MAIN BALANCE DATA-GP SWEEPS

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(RJF386)	□	(CA-8) K2.1TS7H15.6.1F10TS40IG5.3.5	.144	3.000	-11.700	.000	SREF	5500.0000	SQ.FT.
(RJF387)	◇	(CA-8) K2.1TS7H15.6.1F10TS40IG5.3.5	4.121	3.000	-11.700	.000	LREF	327.8000	IN.
(RJF388)	◇	(CA-8) K2.1TS7H15.6.1F10TS40IG5.3.5	6.127	3.000	-11.700	.000	BREF	2348.0000	IN.
(RJF389)	△	(CA-8) K2.1TS7H15.6.1F10TS40IG5.3.5	8.161	3.000	-11.700	.000	XMRP	1339.9100	IN.XC
(RJF390)	△	(CA-8) K2.1TS7H15.6.1F10TS40IG5.3.5	10.166	3.000	-11.700	.000	YMRP	.0000	IN.YC
(RJF391)	△	(CA-8) K2.1TS7H15.6.1F10TS40IG5.3.5	12.170	3.000	-11.700	.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

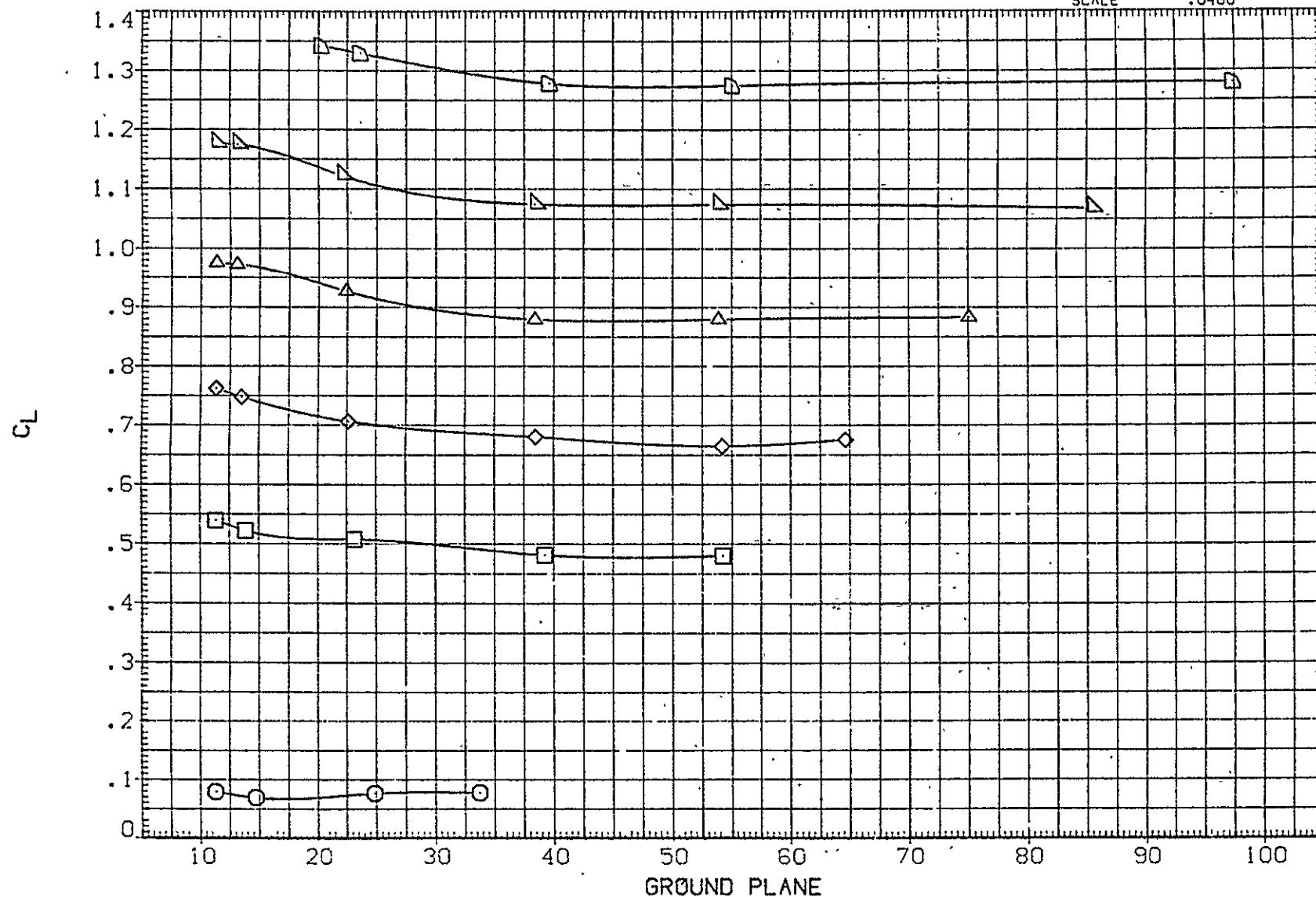


FIG 90 FERRY CON. IN GROUND PROXIMITY, STAB = 2 FLAPS 10 IORB=3, TC ON
MAIN BALANCE DATA-GP SWEEPS.

(A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA W	IORB	BD FLAP	EI EVON	REFERENCE INFORMATION		
(RJF386)	○	(CA-8) K2.1TS7H15.6.1FIOTS401G5.3.5	.144	3.000	-11.700	.000	SREF	5500.0000	SG.FT.
(RJF387)	□	(CA-8) K2.1TS7H15.6.1FIOTS401G5.3.5	4.121	3.000	-11.700	.000	LREF	327.8000	IN.
(RJF388)	◇	(CA-8) K2.1TS7H15.6.1FIOTS401G5.3.5	6.127	3.000	-11.700	.000	BREF	2348.0000	IN.
(RJF389)	△	(CA-8) K2.1TS7H15.6.1FIOTS401G5.3.5	8.161	3.000	-11.700	.000	XMRP	1339.9100	IN.XC
(RJF390)	▽	(CA-8) K2.1TS7H15.6.1FIOTS401G5.3.5	10.166	3.000	-11.700	.000	YMRP	.0000	IN.YC
(RJF391)	◻	(CA-8) K2.1TS7H15.6.1FIOTS401G5.3.5	12.170	3.000	-11.700	.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

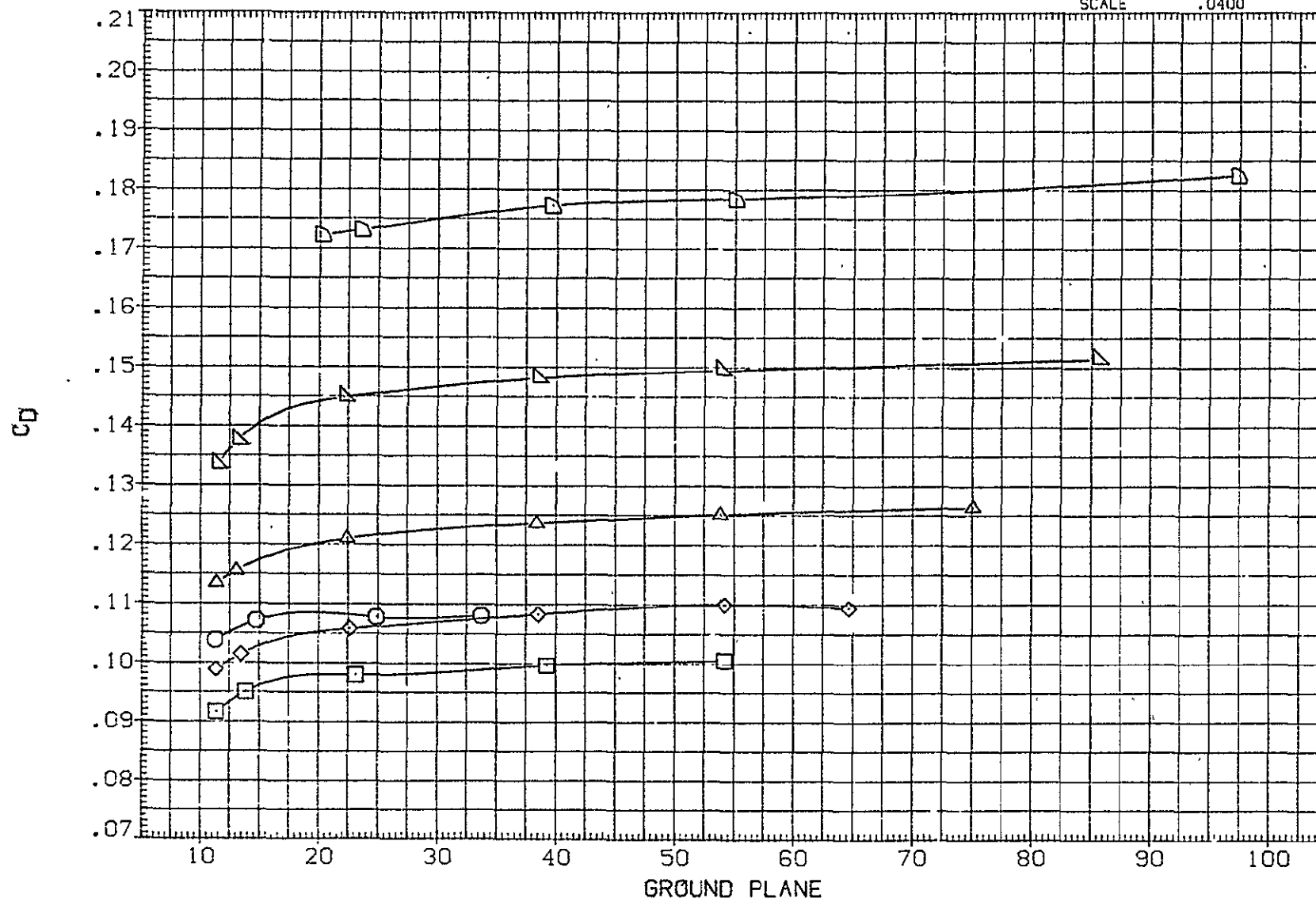


FIG 90 FERRY CON. IN GROUND PROXIMITY, STAB = 2 FLAPS 10 IORB=3, TC ON
MAIN BALANCE DATA-GP SWEEPS

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	IORB	BDFLA	ELEVON	REFERENCE INFORMATION		
(RJF386)	○	(CA-8) K2.1TS7H15.6.1F10TS401G5.3.5	.144	3.000	-11.700	.000	SREF	5500.0000	50. FT.
(RJF387)	□	(CA-8) K2.1TS7H15.6.1F10TS401G5.3.5	4.121	3.000	-11.700	.000	LREF	327.8000	IN.
(RJF388)	◇	(CA-8) K2.1TS7H15.6.1F10TS401G5.3.5	6.127	3.000	-11.700	.000	BREF	2348.0000	IN.
(RJF389)	△	(CA-8) K2.1TS7H15.6.1F10TS401G5.3.5	8.161	3.000	-11.700	.000	XMRP	1339.9100	IN. XC
(RJF390)	▽	(CA-8) K2.1TS7H15.6.1F10TS401G5.3.5	10.166	3.000	-11.700	.000	YMRP	.0000	IN. YC
(RJF391)	◁	(CA-8) K2.1TS7H15.6.1F10TS401G5.3.5	12.170	3.000	-11.700	.000	ZMRP	190.7500	IN. ZC
							SCALE	.0400	

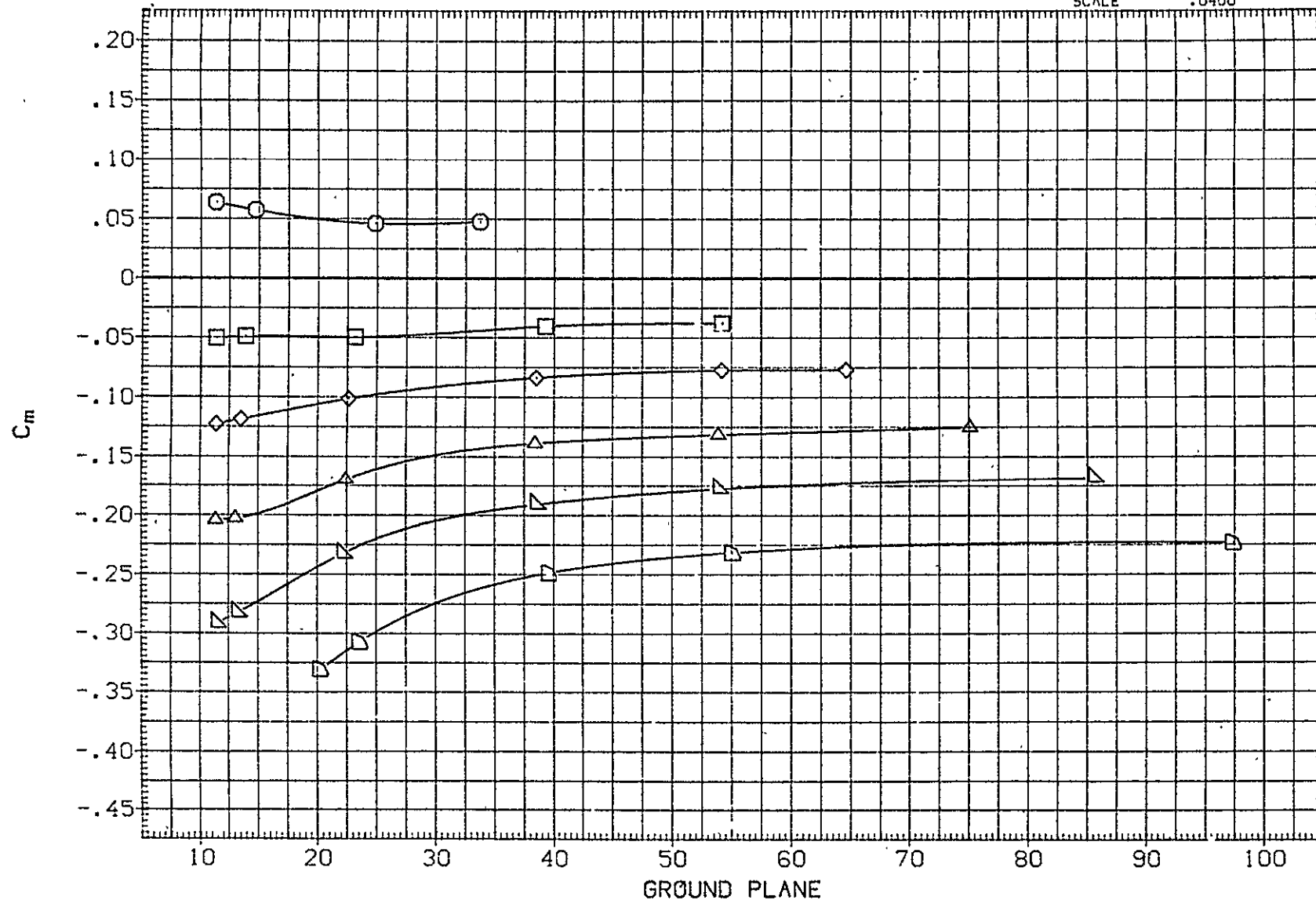


FIG 90 FERRY CON. IN GROUND PROXIMITY, STAB = 2 FLAPS 10 IORB=3, TC ON
MAIN BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA _W	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(RJF392)	○	(CA-8) K2.1TS7H15.6.1F10TS40IG5.3.5	.128	3.000	-11.700	.000	SREF	5500.0000	SQ.FT.
(RJF393)	□	(CA-8) K2.1TS7H15.6.1F10TS40IG5.3.5	4.184	3.000	-11.700	.000	LREF	327.8000	IN.
(RJF394)	◇	(CA-8) K2.1TS7H15.6.1F10TS40IG5.3.5	6.118	3.000	-11.700	.000	BREF	2348.0000	IN.
(RJF395)	△	(CA-8) K2.1TS7H15.6.1F10TS40IG5.3.5	8.182	3.000	-11.700	.000	XMRP	1339.9100	IN.XC
(RJF396)	▽	(CA-8) K2.1TS7H15.6.1F10TS40IG5.3.5	10.125	3.000	-11.700	.000	YMRP	.0000	IN.YC
(RJF397)	◻	(CA-8) K2.1TS7H15.6.1F10TS40IG5.3.5	12.173	3.000	-11.700	.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

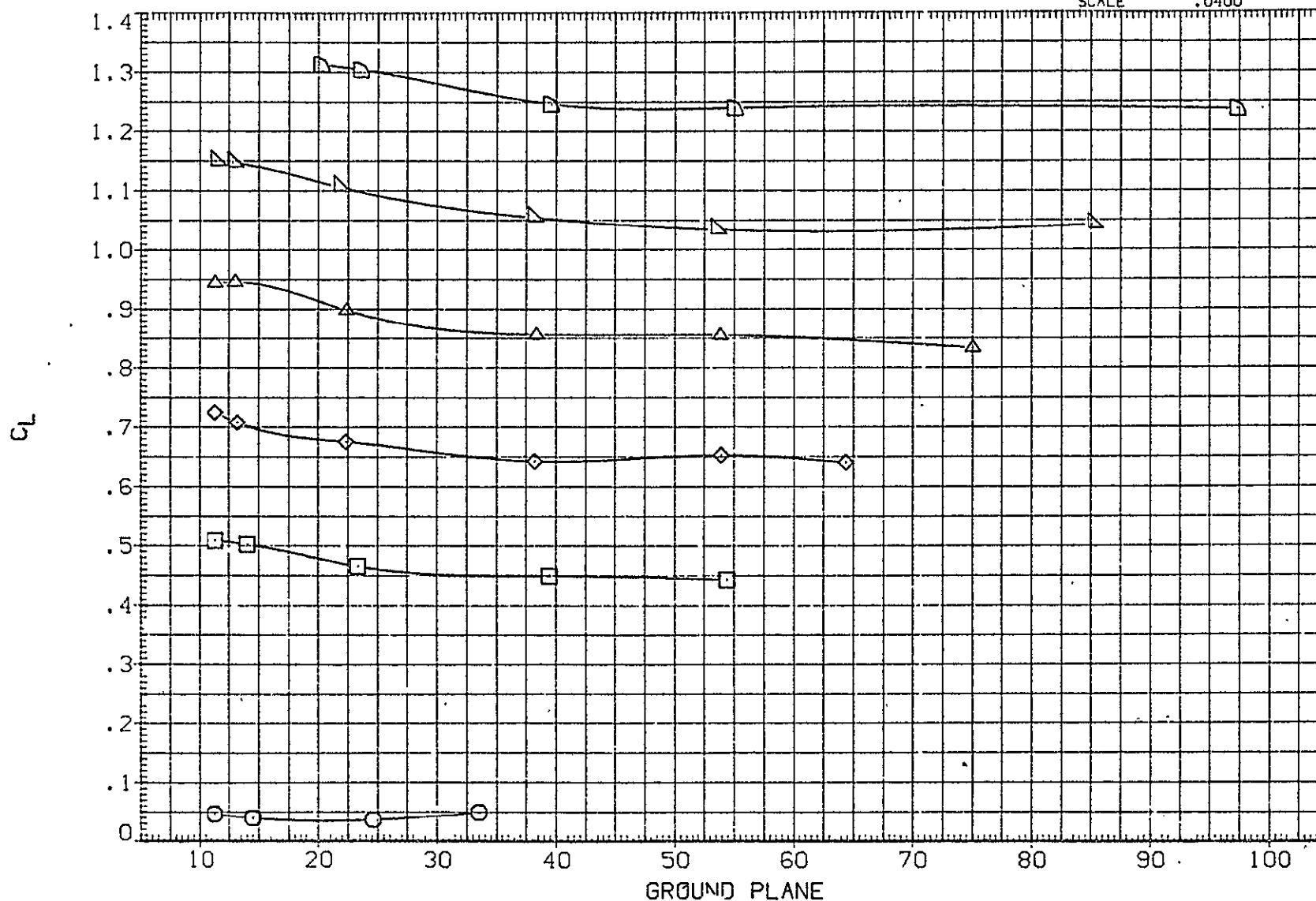


FIG 91 FERRY CON. IN GROUND PROXIMITY, STAB = 0 FLAPS 10 IORB=3, TC ON
MAIN BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(RJF392)	□	(CA-8) K2.1TS7H15.6.1FIOTS401G5.3.5	.128	3.000	-11.700	.000	SREF	5500.0000	SQ.FT.
(RJF393)	□	(CA-8) K2.1TS7H15.6.1FIOTS401G5.3.5	4.184	3.000	-11.700	.000	LREF	327.8000	IN.
(RJF394)	◇	(CA-8) K2.1TS7H15.6.1FIOTS401G5.3.5	6.119	3.000	-11.700	.000	BREF	2348.0000	IN.
(RJF395)	◇	(CA-8) K2.1TS7H15.6.1FIOTS401G5.3.5	8.182	3.000	-11.700	.000	XMRP	1339.9100	IN.XC
(RJF396)	◇	(CA-8) K2.1TS7H15.6.1FIOTS401G5.3.5	10.125	3.000	-11.700	.000	YMRP	.0000	IN.YC
(RJF397)	◇	(CA-8) K2.1TS7H15.6.1FIOTS401G5.3.5	12.173	3.000	-11.700	.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

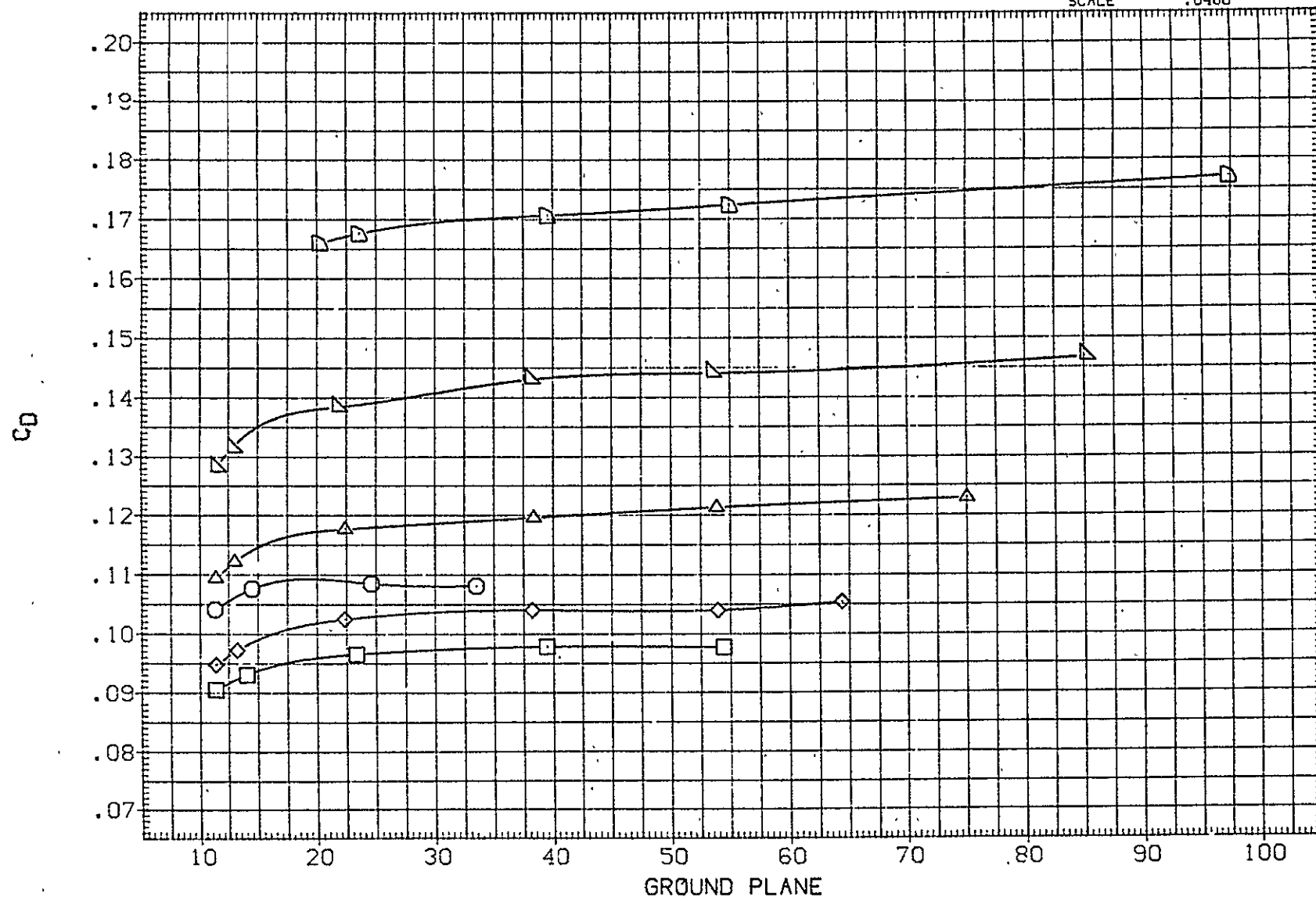


FIG 91 FERRY CON. IN GROUND PROXIMITY, STAB = 0 FLAPS 10 IORB=3. TC ON
MAIN BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	IORB	BDFLAP	EI EVON	REFERENCE INFORMATION		
(RJF392)	○	(CA-8) K2.1TS7H15.6.1FIOTS40IG5.3.5	.128	3.000	-11.700	.000	SREF	5500.0000	50.FT.
(RJF393)	□	(CA-8) K2.1TS7H15.6.1FIOTS40IG5.3.5	4.184	3.000	-11.700	.000	LREF	327.8000	IN.
(RJF394)	◇	(CA-8) K2.1TS7H15.6.1FIOTS40IG5.3.5	6.118	3.000	-11.700	.000	BREF	2348.0000	IN.
(RJF395)	△	(CA-8) K2.1TS7H15.6.1FIOTS40IG5.3.5	8.182	3.000	-11.700	.000	XMRP	1339.9100	IN.XC
(RJF396)	▽	(CA-8) K2.1TS7H15.6.1FIOTS40IG5.3.5	10.125	3.000	-11.700	.000	YMRP	.0000	IN.YC
(RJF397)	◻	(CA-8) K2.1TS7H15.6.1FIOTS40IG5.3.5	12.173	3.000	-11.700	.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

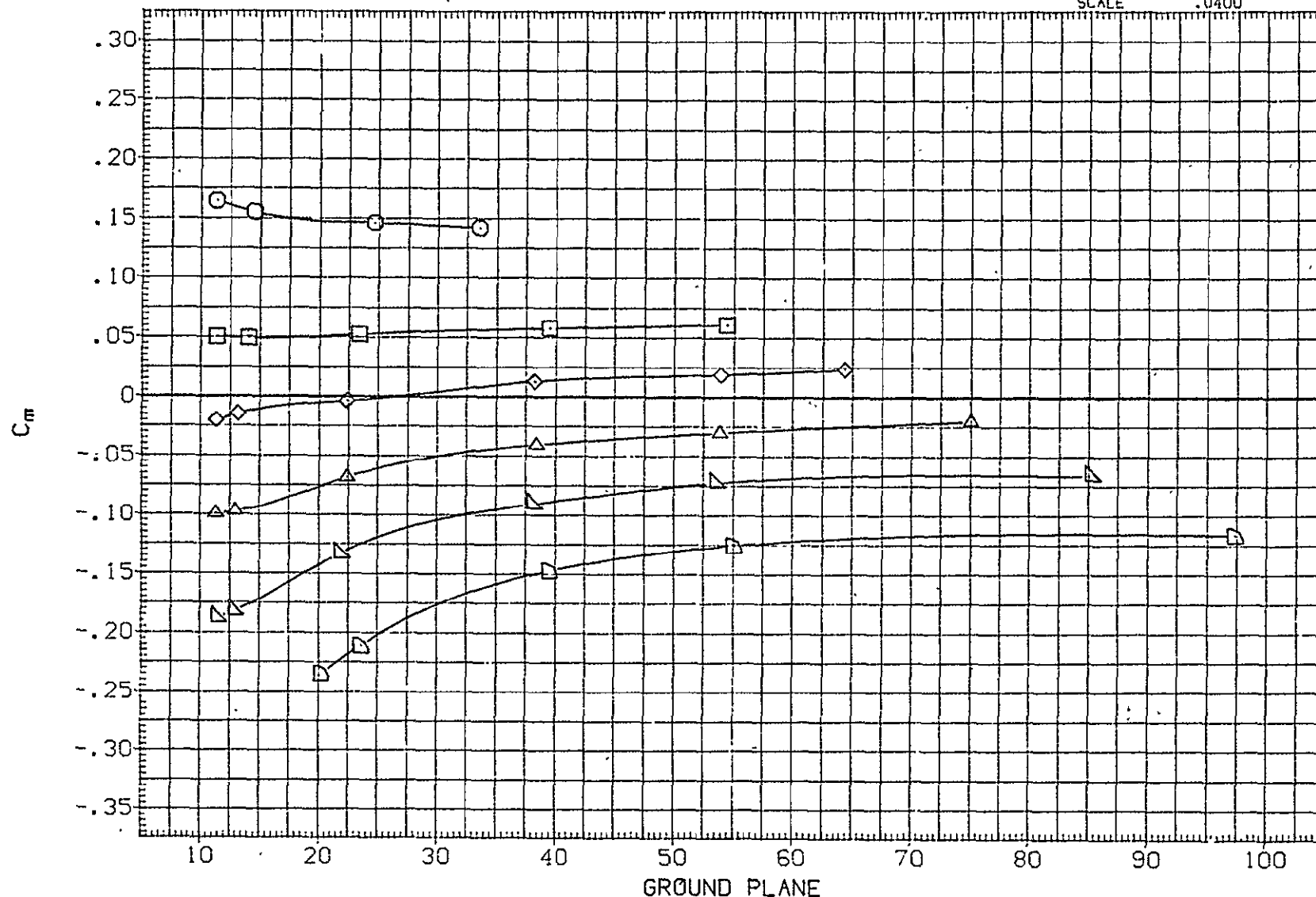


FIG 91 FERRY CON. IN GROUND PROXIMITY, STAB = 0 FLAPS 10 IORB=3, TC ON
MAIN BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(RJF398)	○	(CA-8) K2.1TS7H15.6.1F10TS40IG5.3.5	.178	3.000	-11.700	.000	SREF	5500.0000	50.FT.
(RJF399)	□	(CA-8) K2.1TS7H15.6.1F10TS40IG5.3.5	4.155	3.000	-11.700	.000	LREF	327.8000	IN.
(RJF400)	△	(CA-8) K2.1TS7H15.6.1F10TS40IG5.3.5	6.152	3.000	-11.700	.000	BREF	2348.0000	IN.
(RJF401)	◇	(CA-8) K2.1TS7H15.6.1F10TS40IG5.3.5	8.127	3.000	-11.700	.000	XMRP	1339.9100	IN.XC
(RJF402)	▽	(CA-8) K2.1TS7H15.6.1F10TS40IG5.3.5	10.152	3.000	-11.700	.000	YMRP	.0000	IN.YC
(RJF403)	◻	(CA-8) K2.1TS7H15.6.1F10TS40IG5.3.5	12.125	3.000	-11.700	.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

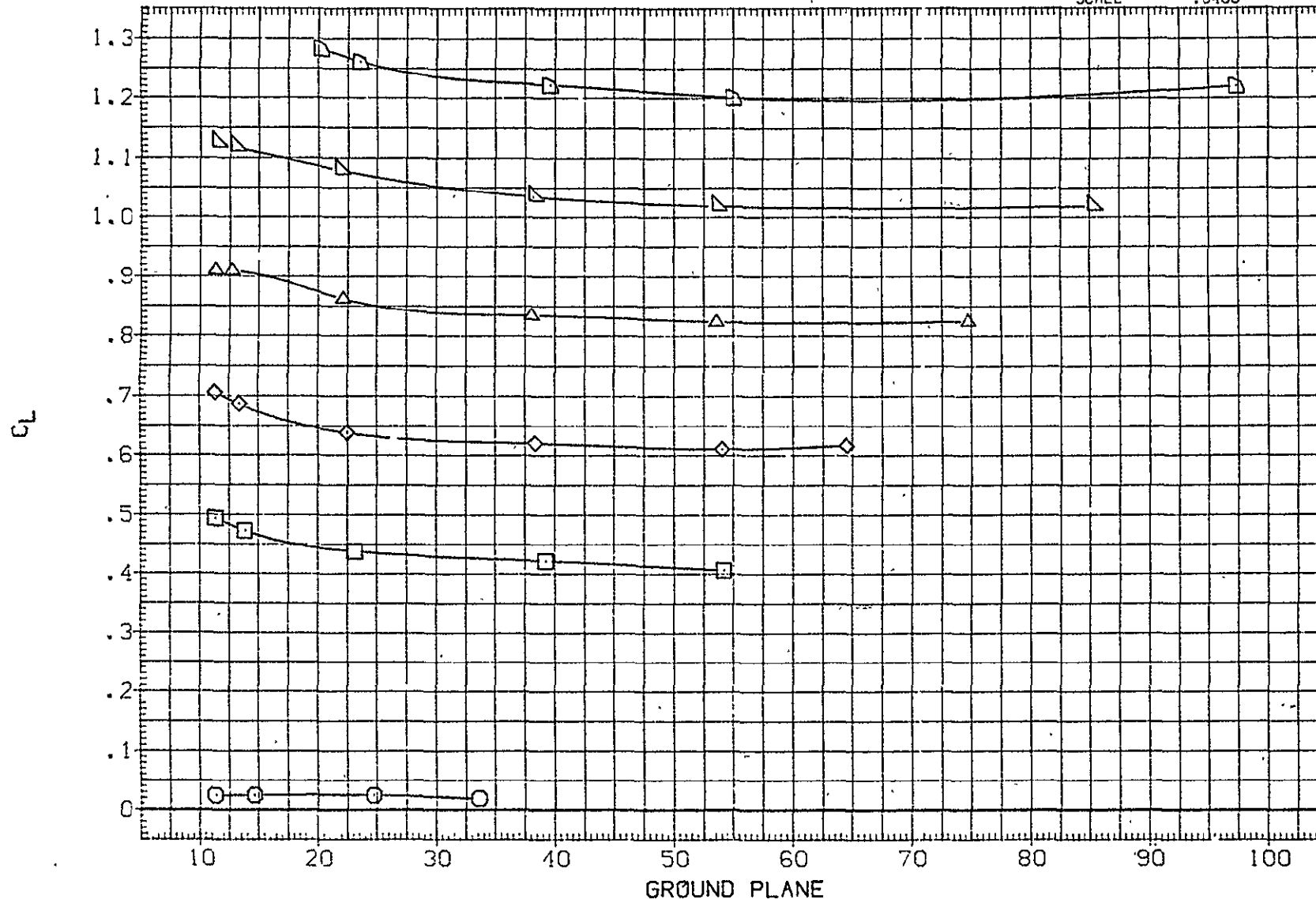


FIG 92 FERRY CON. IN GROUND PROXIMITY, STAB = -2 FLAPS 10 IORB=3, TC ON
MAIN BALANCE DATA-GP SWEEPS

(A)MACH = .15

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DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA _W	IORB	BOFLAP	ELEVON	REFERENCE INFORMATION		
(RJF398)	○	(CA-8) K2.1TS7H15.6.1F10TS401G5.3.5	.178	3.000	-11.700	.000	SREF	5500.0000	SQ.FT.
(RJF399)	□	(CA-8) K2.1TS7H15.6.1F10TS401G5.3.5	4.155	3.000	-11.700	.000	LREF	327.8000	IN.
(RJF400)	◇	(CA-8) K2.1TS7H15.6.1F10TS401G5.3.5	6.152	3.000	-11.700	.000	BREF	2348.0000	IN.
(RJF401)	△	(CA-8) K2.1TS7H15.6.1F10TS401G5.3.5	8.127	3.000	-11.700	.000	XMRP	1339.9100	IN.XC
(RJF402)	▽	(CA-8) K2.1TS7H15.6.1F10TS401G5.3.5	10.152	3.000	-11.700	.000	YMRP	.0000	IN.YC
(RJF403)	◻	(CA-8) K2.1TS7H15.6.1F10TS401G5.3.5	12.125	3.000	-11.700	.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

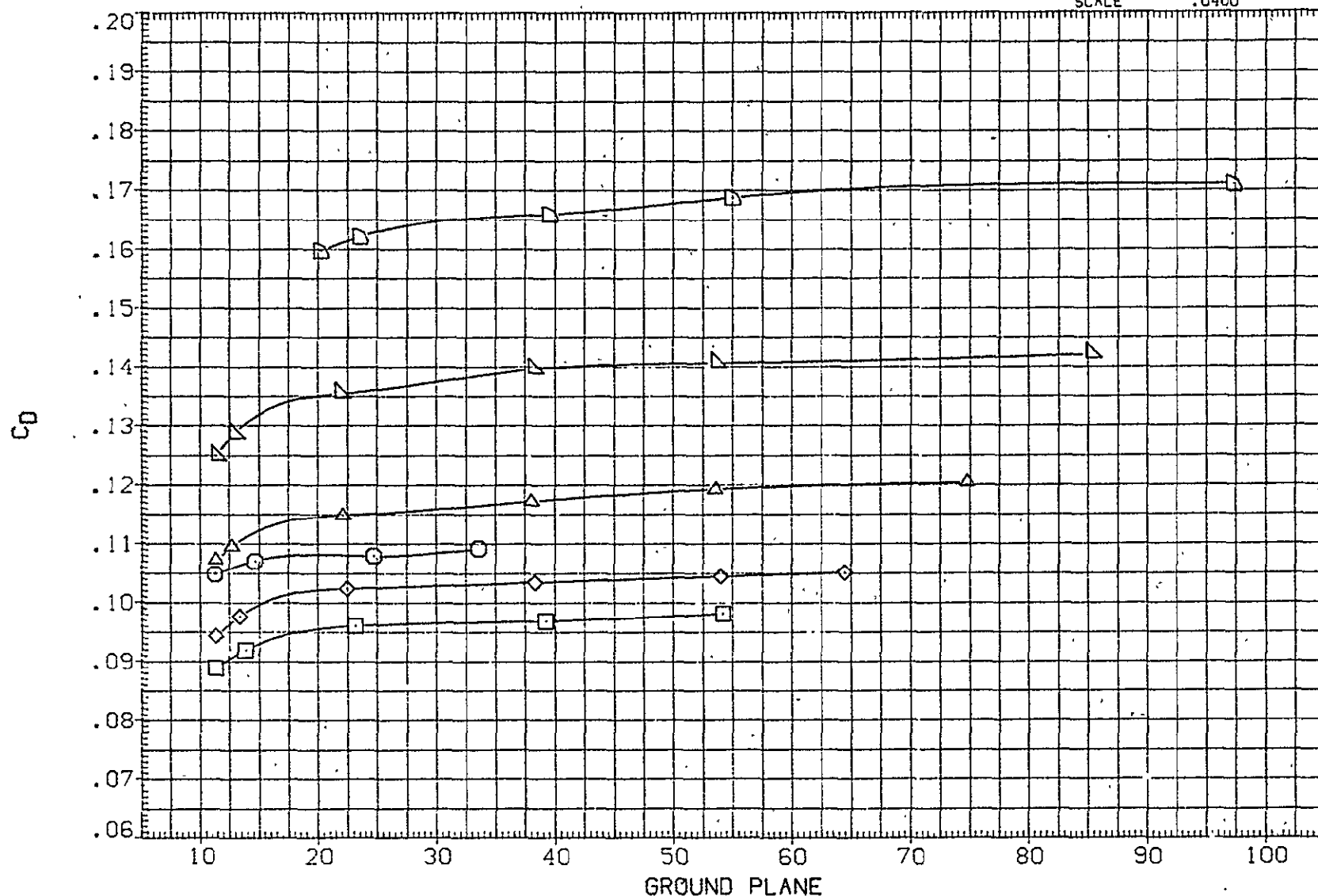


FIG 92 FERRY CON. IN GROUND PROXIMITY, STAB = -2 FLAPS 10 IORB=3, TC ON
MAIN BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(RJF398)	○	(CA-8) K2.1TS7H15.6.1FIOTS401G5.3.5	.178	3.000	-11.700	.000	SREF	5500.0000	SQ.FT.
(RJF399)	□	(CA-8) K2.1TS7H15.6.1FIOTS401G5.3.5	4.155	3.000	-11.700	.000	LREF	327.8000	IN.
(RJF400)	◇	(CA-8) K2.1TS7H15.6.1FIOTS401G5.3.5	6.152	3.000	-11.700	.000	BREF	2348.0000	IN.
(RJF401)	△	(CA-8) K2.1TS7H15.6.1FIOTS401G5.3.5	8.127	3.000	-11.700	.000	XMRP	1339.9100	IN.XC
(RJF402)	▽	(CA-8) K2.1TS7H15.6.1FIOTS401G5.3.5	10.152	3.000	-11.700	.000	YMRP	.0000	IN.YC
(RJF403)	◻	(CA-8) K2.1TS7H15.6.1FIOTS401G5.3.5	12.125	3.000	-11.700	.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

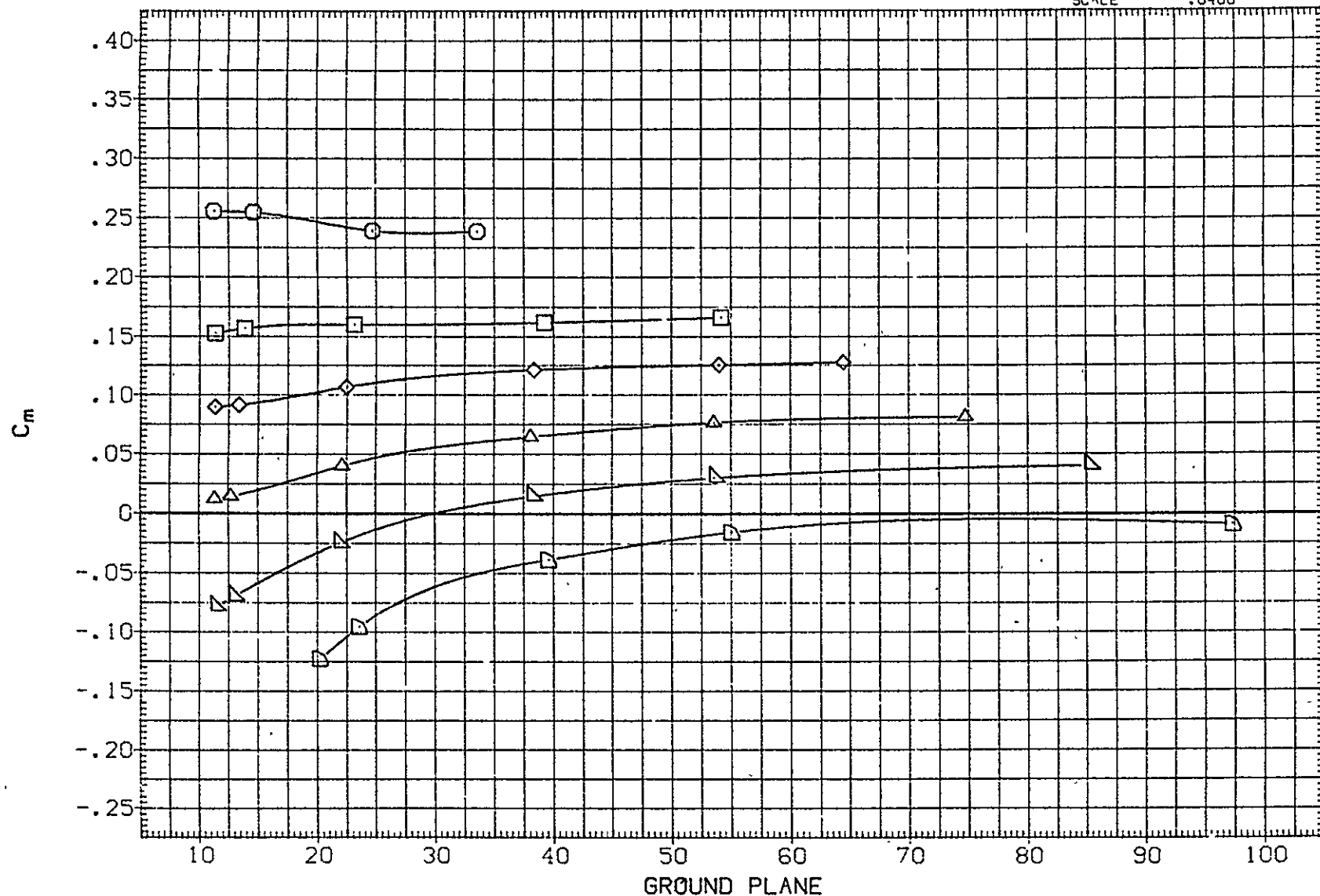


FIG 92 FERRY CON. IN GROUND PROXIMITY, STAB = -2 FLAPS 10 IORB=3, TC ON
MAIN BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(RJF410)	□	(CA-8) K2.1TS7H15.6.1F10TS40IG5.3.5	.133	3.000	-11.700	.000	SREF	5500.0000	SQ.FT.
(RJF411)	□	(CA-8) K2.1TS7H15.6.1F10TS40IG5.3.5	4.213	3.000	-11.700	.000	LREF	327.8000	IN.
(RJF412)	◇	(CA-8) K2.1TS7H15.6.1F10TS40IG5.3.5	6.142	3.000	-11.700	.000	BREF	2348.0000	IN.
(RJF413)	△	(CA-8) K2.1TS7H15.6.1F10TS40IG5.3.5	8.115	3.000	-11.700	.000	XMRP	1339.9100	IN.XC
(RJF414)	△	(CA-8) K2.1TS7H15.6.1F10TS40IG5.3.5	10.239	3.000	-11.700	.000	YMRP	.0000	IN.YC
(RJF415)	△	(CA-8) K2.1TS7H15.6.1F10TS40IG5.3.5	12.206	3.000	-11.700	.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

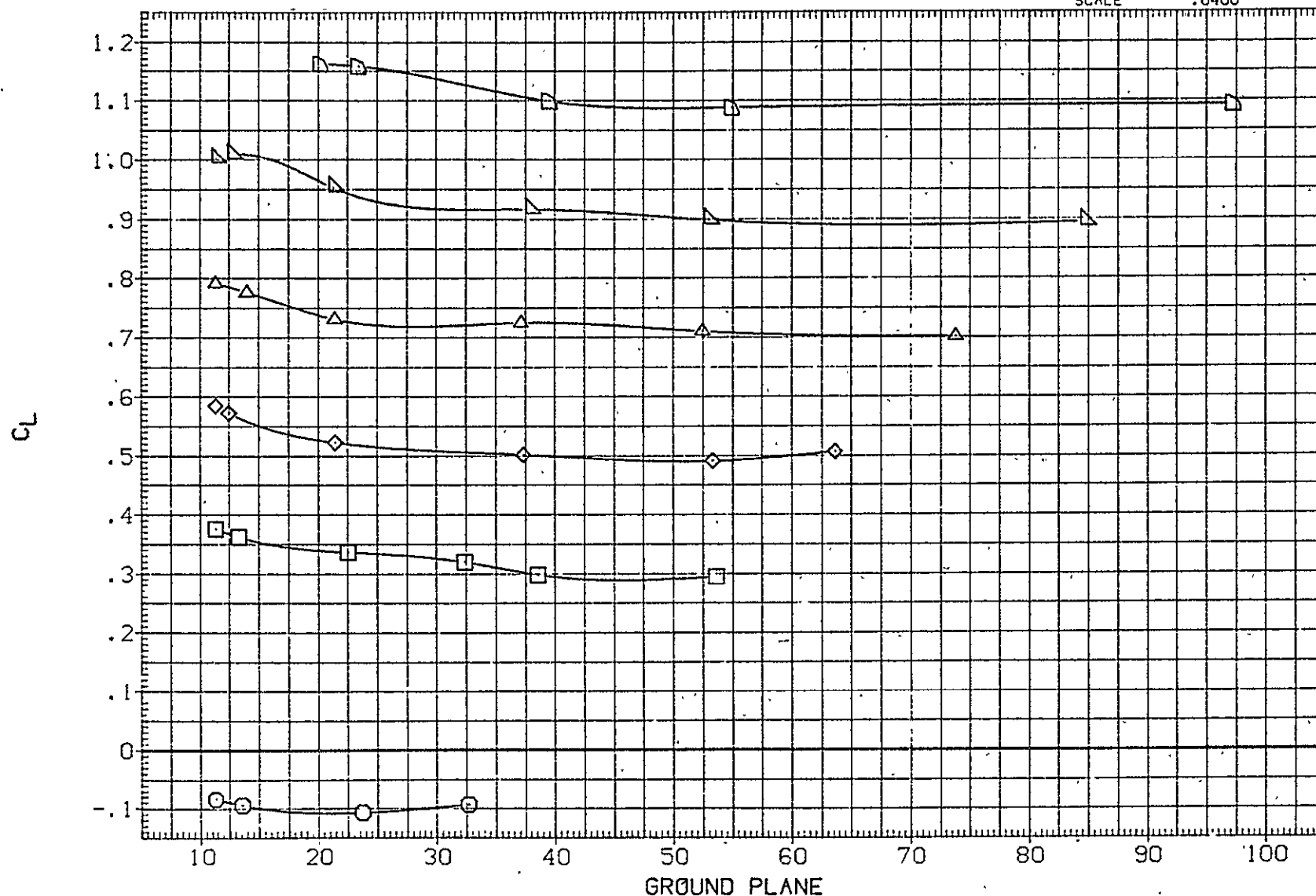


FIG 93 FERRY CON. IN GROUND PROXIMITY, STAB = 0, ELEVTR=-23, IORB=3, TC ON
MAIN BALANCE DATA-GP SWEEPS

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(RJF410)	○	(CA-8) K2.1TS7H15.6.1F10TS40IG5.3.5	.133	3.000	-11.700	.000	SREF	5500.0000	50. FT.
(RJF411)	□	(CA-8) K2.1TS7H15.6.1F10TS40IG5.3.5	4.213	3.000	-11.700	.000	LREF	327.8000	IN.
(RJF412)	◇	(CA-8) K2.1TS7H15.6.1F10TS40IG5.3.5	6.142	3.000	-11.700	.000	BREF	2348.0000	IN.
(RJF413)	△	(CA-8) K2.1TS7H15.6.1F10TS40IG5.3.5	8.115	3.000	-11.700	.000	XMRP	1339.9100	IN. XC
(RJF414)	▽	(CA-8) K2.1TS7H15.6.1F10TS40IG5.3.5	10.239	3.000	-11.700	.000	YMRP	.0000	IN. YC
(RJF415)	◻	(CA-8) K2.1TS7H15.6.1F10TS40IG5.3.5	12.206	3.000	-11.700	.000	ZMRP	190.7500	IN. ZC
							SCALE	.0400	

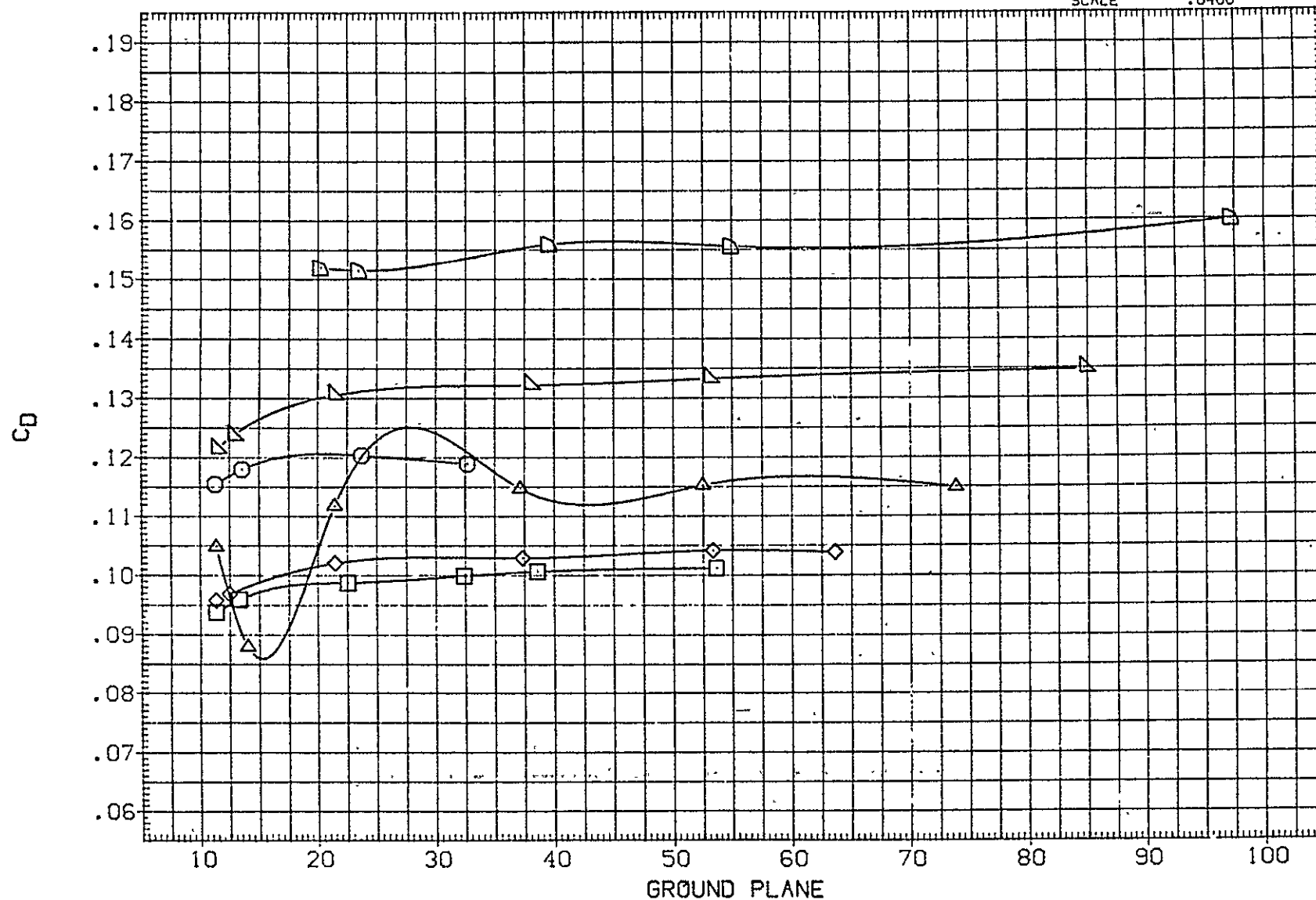


FIG 93 FERRY CON. IN GROUND PROXIMITY, STAB = 0, ELEVTR=-23, IORB=3, TC ON
MAIN BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(RJF410)	○	(CA-8) K2.1TS7H15.6.1FIOTS40IG5.3.5	.133	3.000	-11.700	.000	SREF	5500.0000	SQ.FT.
(RJF411)	□	(CA-8) K2.1TS7H15.6.1FIOTS40IG5.3.5	4.213	3.000	-11.700	.000	LREF	327.8000	IN.
(RJF412)	◇	(CA-8) K2.1TS7H15.6.1FIOTS40IG5.3.5	6.142	3.000	-11.700	.000	BREF	2348.0000	IN.
(RJF413)	△	(CA-8) K2.1TS7H15.6.1FIOTS40IG5.3.5	8.115	3.000	-11.700	.000	XMRP	1339.9100	IN.XC
(RJF414)	▽	(CA-8) K2.1TS7H15.6.1FIOTS40IG5.3.5	10.239	3.000	-11.700	.000	YMRP	.0000	IN.YC
(RJF415)	◻	(CA-8) K2.1TS7H15.6.1FIOTS40IG5.3.5	12.206	3.000	-11.700	.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

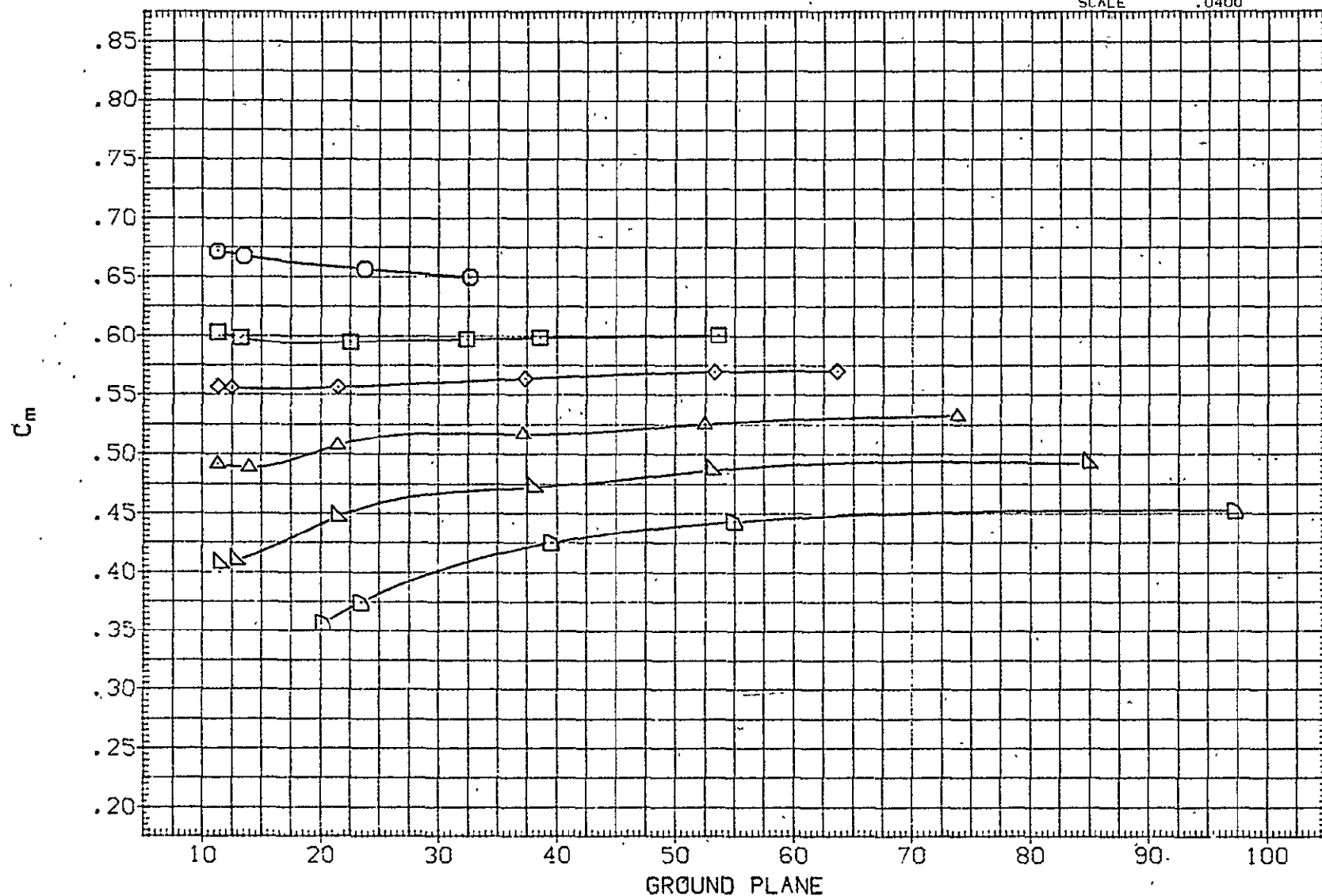


FIG 93 FERRY CON. IN GROUND PROXIMITY, STAB = 0, ELEVTR=-23, IORB=3, TC ON
MAIN BALANCE DATA-GP SWEEPS

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(RJF422)	○	(CA-8) K2.1TS7 F20TS40165.3.5	.183	3.000	-11.700	.000	SREF	5500.0000	50.FT.
(RJF423)	□	(CA-8) K2.1TS7 F20TS40165.3.5	4.173	3.000	-11.700	.000	LREF	327.8000	IN.
(RJF424)	◇	(CA-8) K2.1TS7 F20TS40165.3.5	6.153	3.000	-11.700	.000	BREF	2348.0000	IN.
(RJF425)	△	(CA-8) K2.1TS7 F20TS40165.3.5	8.284	3.000	-11.700	.000	XMRP	1339.9100	IN.XC
(RJF426)	▽	(CA-8) K2.1TS7 F20TS40165.3.5	10.235	3.000	-11.700	.000	YMRP	.0000	IN.YC
(RJF427)	◻	(CA-8) K2.1TS7 F20TS40165.3.5	12.154	3.000	-11.700	.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

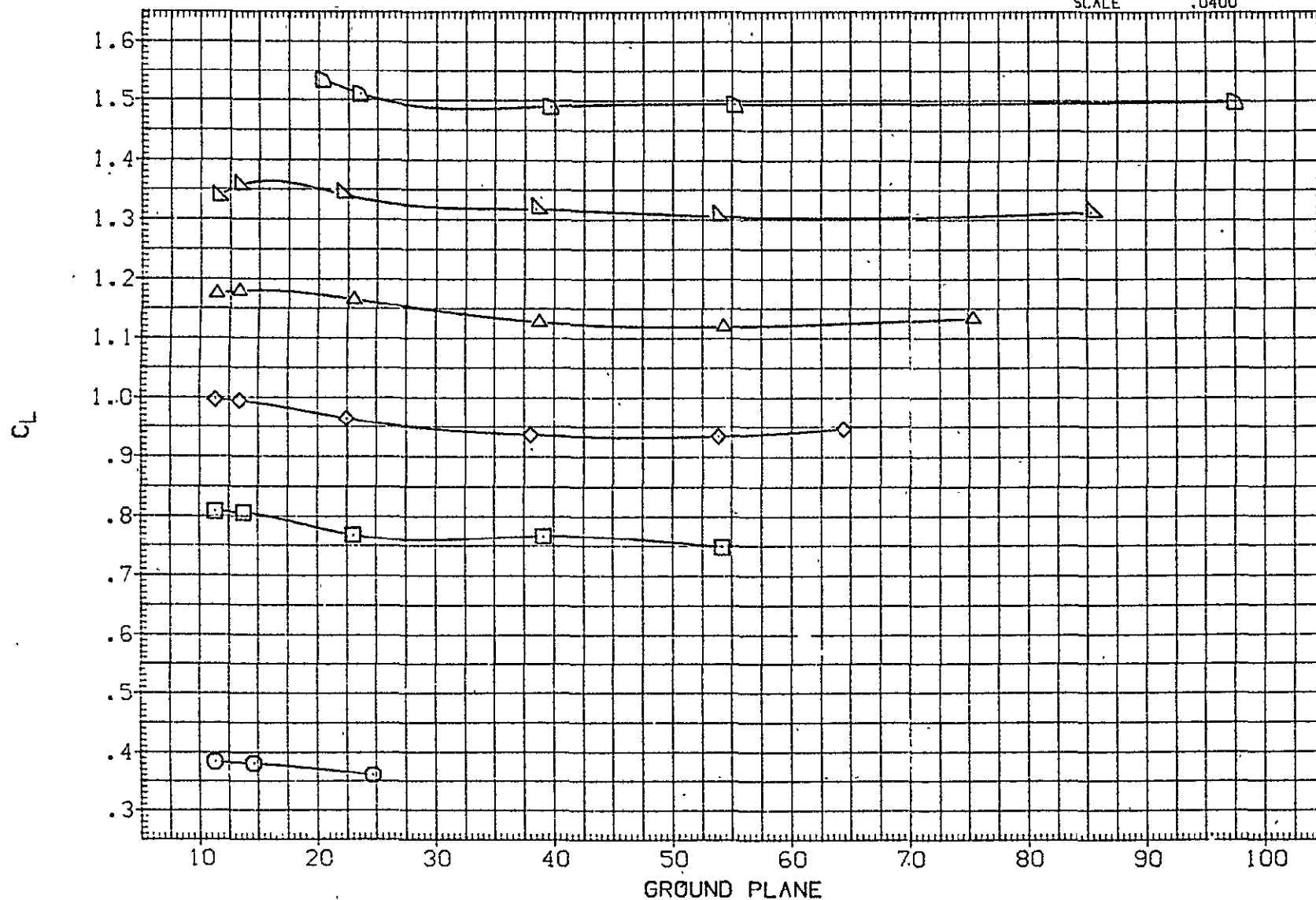


FIG 94 FERRY CON. IN GROUND PROXIMITY, HORIZ OFF, FLAPS 20 IORB=3, TC ON
MAIN BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA _W	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(RJF422)	○	(CA-8) K2.1TS7 F20TS40165.3.5	.183	3.000	-11.700	.000	SREF	5500.0000	SQ.FT.
(RJF423)	□	(CA-8) K2.1TS7 F20TS40165.3.5	4.173	3.000	-11.700	.000	LREF	327.8000	IN.
(RJF424)	◇	(CA-8) K2.1TS7 F20TS40165.3.5	6.153	3.000	-11.700	.000	BREF	2348.0000	IN.
(RJF425)	△	(CA-8) K2.1TS7 F20TS40165.3.5	8.284	3.000	-11.700	.000	XMRP	1339.9100	IN.XC.
(RJF426)	▽	(CA-8) K2.1TS7 F20TS40165.3.5	10.235	3.000	-11.700	.000	YMRP	.0000	IN.YC
(RJF427)	◻	(CA-8) K2.1TS7 F20TS40165.3.5	12.154	3.000	-11.700	.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

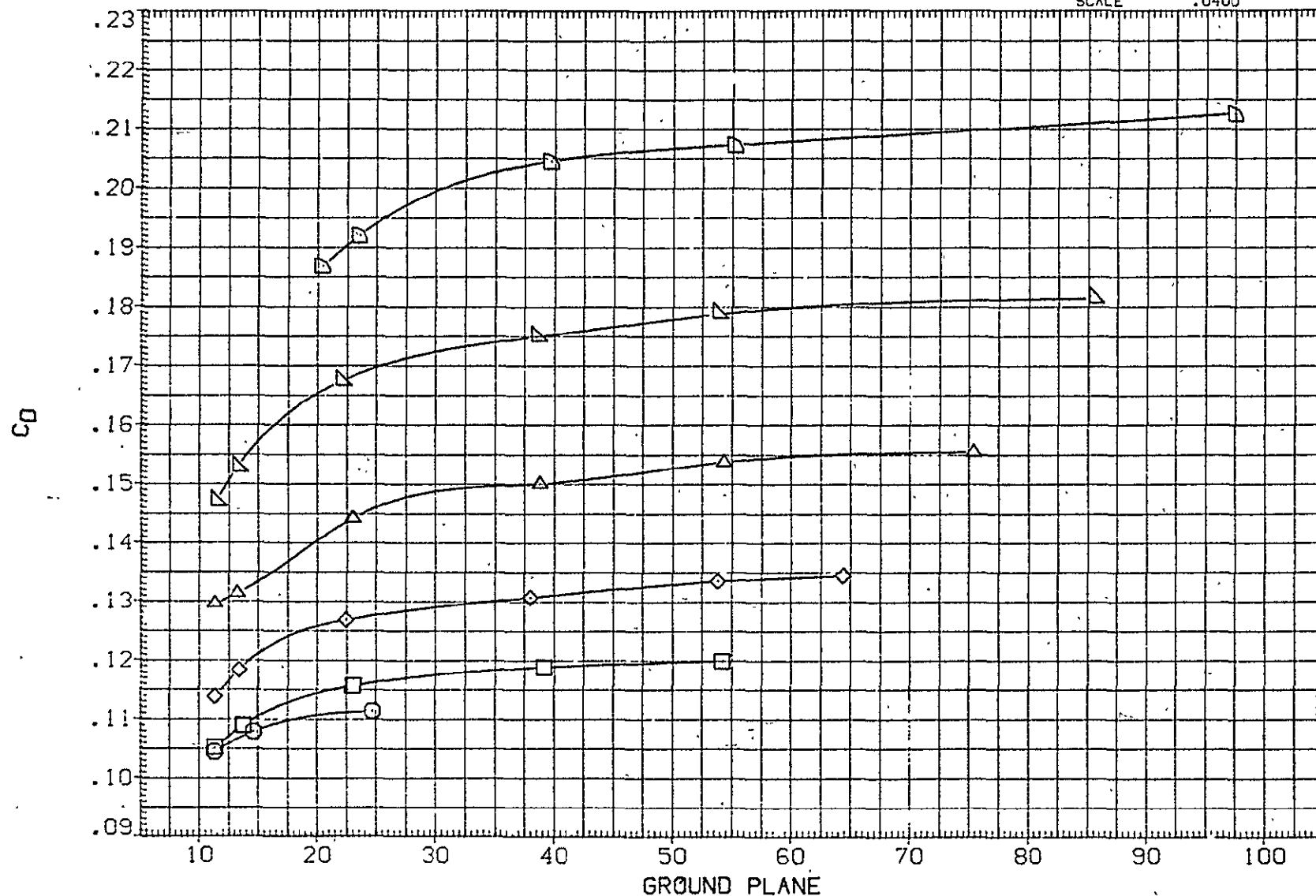


FIG 94 FERRY CON. IN GROUND PROXIMITY, HORIZ OFF, FLAPS.20 IORB=3, TC ON
 MAIN BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA _W	I _{ORB}	BD _{FLAP}	ELEVON	REFERENCE INFORMATION		
(RJF422)	○	(CA-8) K2.1TS7 F20TS401G5.3.5	.183	3.000	-11.700	.000	SREF	5500.0000	SQ.FT.
(RJF423)	◇	(CA-8) K2.1TS7 F20TS401G5.3.5	4.173	3.000	-11.700	.000	LREF	327.8000	IN.
(RJF424)	◇	(CA-8) K2.1TS7 F20TS401G5.3.5	6.153	3.000	-11.700	.000	BREF	2348.0000	IN.
(RJF425)	△	(CA-8) K2.1TS7 F20TS401G5.3.5	8.284	3.000	-11.700	.000	XM _{RP}	1339.9100	IN.XC
(RJF426)	△	(CA-8) K2.1TS7 F20TS401G5.3.5	10.235	3.000	-11.700	.000	YM _{RP}	.0000	IN.YC
(RJF427)	△	(CA-8) K2.1TS7 F20TS401G5.3.5	12.154	3.000	-11.700	.000	ZM _{RP}	190.7500	IN.ZC
							SCALE	.0400	

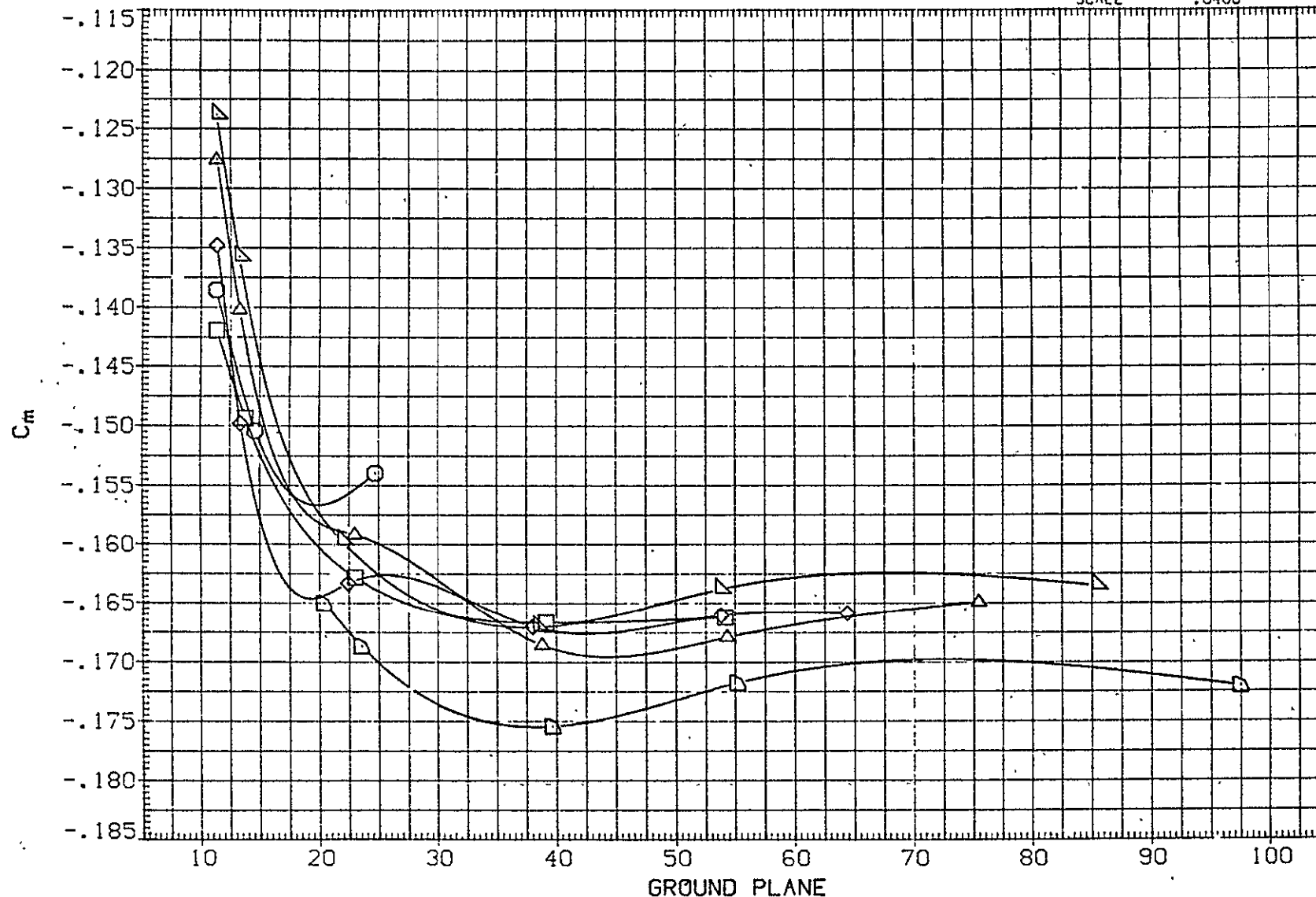


FIG 94 FERRY CON. IN GROUND PROXIMITY, HORIZ OFF, FLAPS 20 I_{ORB}=3, TC ON
MAIN BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	IORB	BOFLAP	ELEVON	REFERENCE INFORMATION		
(RJF440)	○	(CA-8) K2.1TS7H15.6.1F20TS40IG5.3.5	.293	3.000	-11.700	.000	SREF	5500.0000	SQ.FT.
(RJF441)	□	(CA-8) K2.1TS7H15.6.1F20TS40IG5.3.5	4.248	3.000	-11.700	.000	LREF	327.8000	IN.
(RJF442)	◇	(CA-8) K2.1TS7H15.6.1F20TS40IG5.3.5	6.218	3.000	-11.700	.000	BREF	2348.0000	IN.
(RJF443)	△	(CA-8) K2.1TS7H15.6.1F20TS40IG5.3.5	8.128	3.000	-11.700	.000	XMRP	1339.9100	IN.XC
(RJF444)	▽	(CA-8) K2.1TS7H15.6.1F20TS40IG5.3.5	10.224	3.000	-11.700	.000	YMRP	.0000	IN.YC
(RJF445)	◻	(CA-8) K2.1TS7H15.6.1F20TS40IG5.3.5	12.120	3.000	-11.700	.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

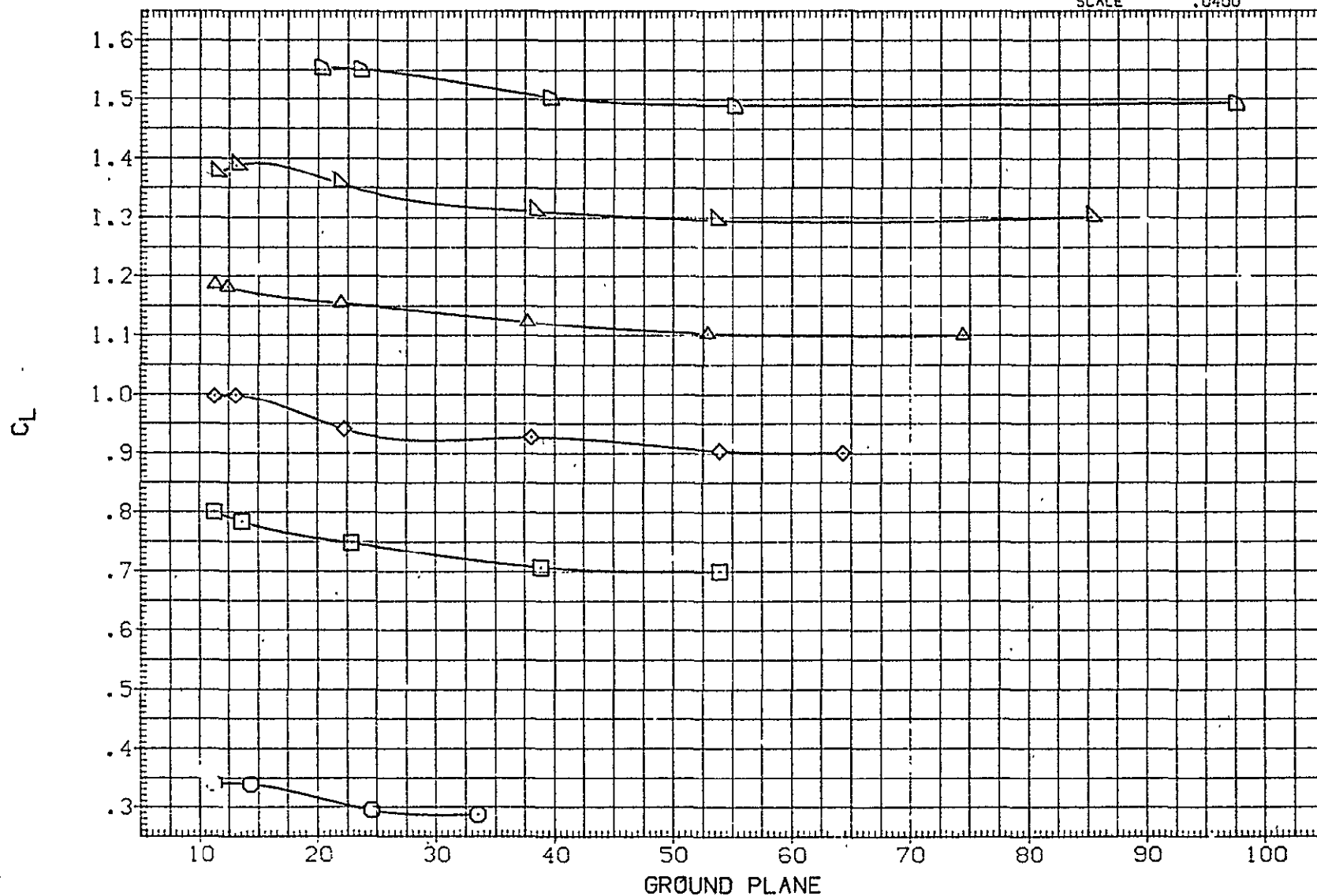


FIG 95 FERRY CON. IN GROUND PROXIMITY, STAB = 0, FLAPS 20 IORB=3, TC ON
MAIN BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA W	IORB	BD FLAP	ELEVON	REFERENCE INFORMATION		
(RJF440)	○	(CA-8) K2.1TS7H15.6.1F20TS40IG5.3.5	.293	3.000	-11.700	.000	SREF	5500.0000	50.FT.
(RJF441)	□	(CA-8) K2.1TS7H15.6.1F20TS40IG5.3.5	4.248	3.000	-11.700	.000	LREF	327.8000	IN.
(RJF442)	◇	(CA-8) K2.1TS7H15.6.1F20TS40IG5.3.5	6.218	3.000	-11.700	.000	BREF	2348.0000	IN.
(RJF443)	△	(CA-8) K2.1TS7H15.6.1F20TS40IG5.3.5	8.128	3.000	-11.700	.000	XMRP	1339.9100	IN.XC
(RJF444)	▽	(CA-8) K2.1TS7H15.6.1F20TS40IG5.3.5	10.224	3.000	-11.700	.000	YMRP	.0000	IN.YC
(RJF445)	◻	(CA-8) K2.1TS7H15.6.1F20TS40IG5.3.5	12.120	3.000	-11.700	.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

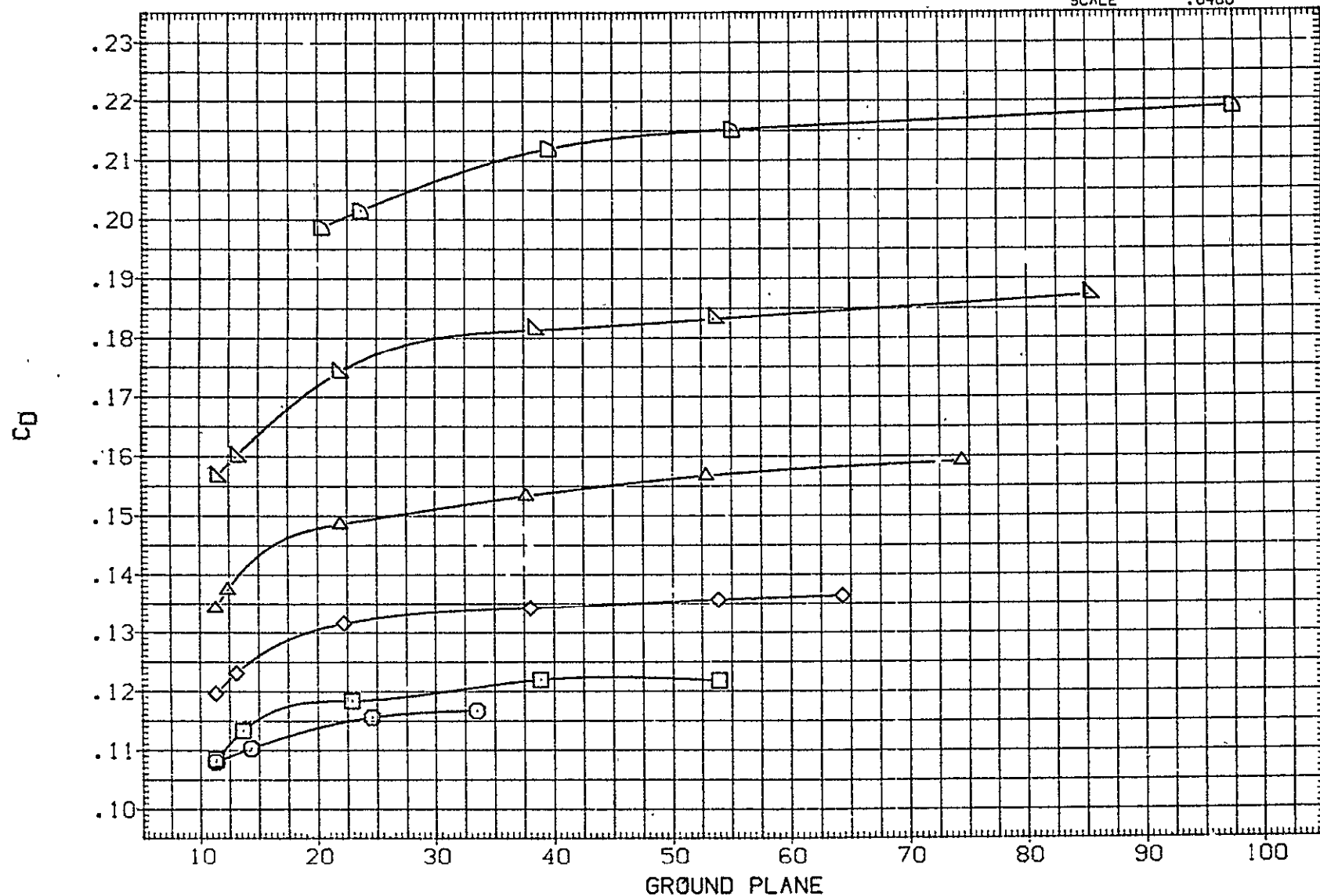


FIG 95 FERRY CON. IN GROUND PROXIMITY, STAB = 0, FLAPS 20 IORB=3, TC ON
MAIN BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA _W	IORB	BOFLAP	ELEVON	REFERENCE INFORMATION		
(RJF440)	○	(CA-8) K2.1TS7H15.6.1F20TS401G5.3.5	.293	3.000	-11.700	.000	SREF	5500.0000	50.FT.
(RJF441)	□	(CA-8) K2.1TS7H15.6.1F20TS401G5.3.5	4.248	3.000	-11.700	.000	LREF	327.8000	IN.
(RJF442)	◇	(CA-8) K2.1TS7H15.6.1F20TS401G5.3.5	6.218	3.000	-11.700	.000	BREF	2348.0000	IN.
(RJF443)	△	(CA-8) K2.1TS7H15.6.1F20TS401G5.3.5	8.128	3.000	-11.700	.000	XM RP	1339.9100	IN.XC
(RJF444)	▽	(CA-8) K2.1TS7H15.6.1F20TS401G5.3.5	10.224	3.000	-11.700	.000	YM RP	.0000	IN.YC
(RJF445)	◁	(CA-8) K2.1TS7H15.6.1F20TS401G5.3.5	12.120	3.000	-11.700	.000	ZM RP	190.7500	IN.ZC
							SCALE	.0400	

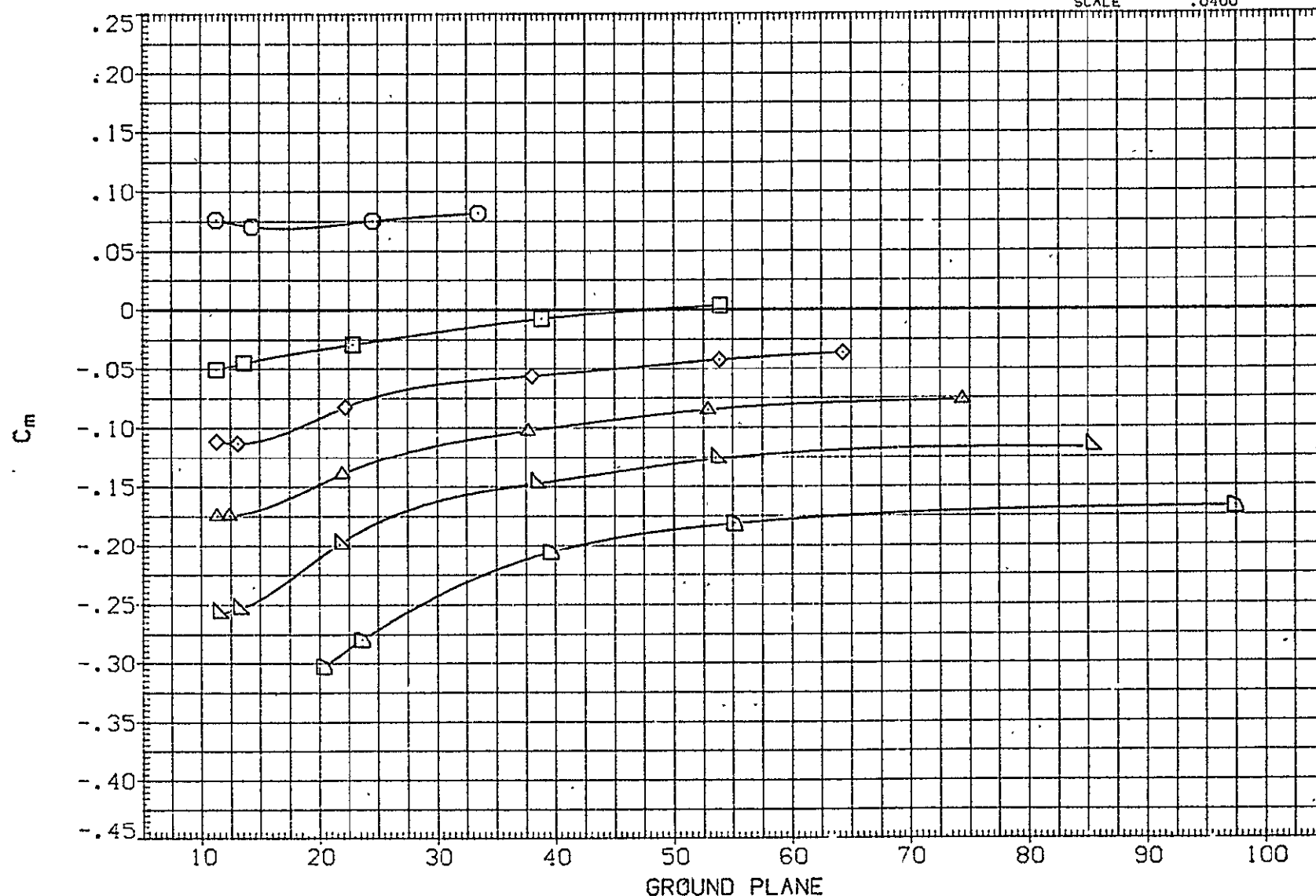


FIG 95 FERRY CON. IN GROUND PROXIMITY, STAB = 0, FLAPS 20 IORB=3, TC ON
MAIN BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(RJF434)	○	(CA-8) K2.1TS7H15.6.1F20TS40165.3.5	.213	3.000	-11.700	.000	SREF	5500.0000	SQ.FT.
(RJF435)	□	(CA-8) K2.1TS7H15.6.1F20TS40165.3.5	4.217	3.000	-11.700	.000	LREF	327.8000	IN.
(RJF436)	◇	(CA-8) K2.1TS7H15.6.1F20TS40165.3.5	6.243	3.000	-11.700	.000	BREF	2348.0000	IN.
(RJF437)	△	(CA-8) K2.1TS7H15.6.1F20TS40165.3.5	8.082	3.000	-11.700	.000	XMRP	1339.9100	IN.XC
(RJF438)	▽	(CA-8) K2.1TS7H15.6.1F20TS40165.3.5	10.091	3.000	-11.700	.000	YMRP	.0000	IN.YC
(RJF439)	◁	(CA-8) K2.1TS7H15.6.1F20TS40165.3.5	12.115	3.000	-11.700	.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

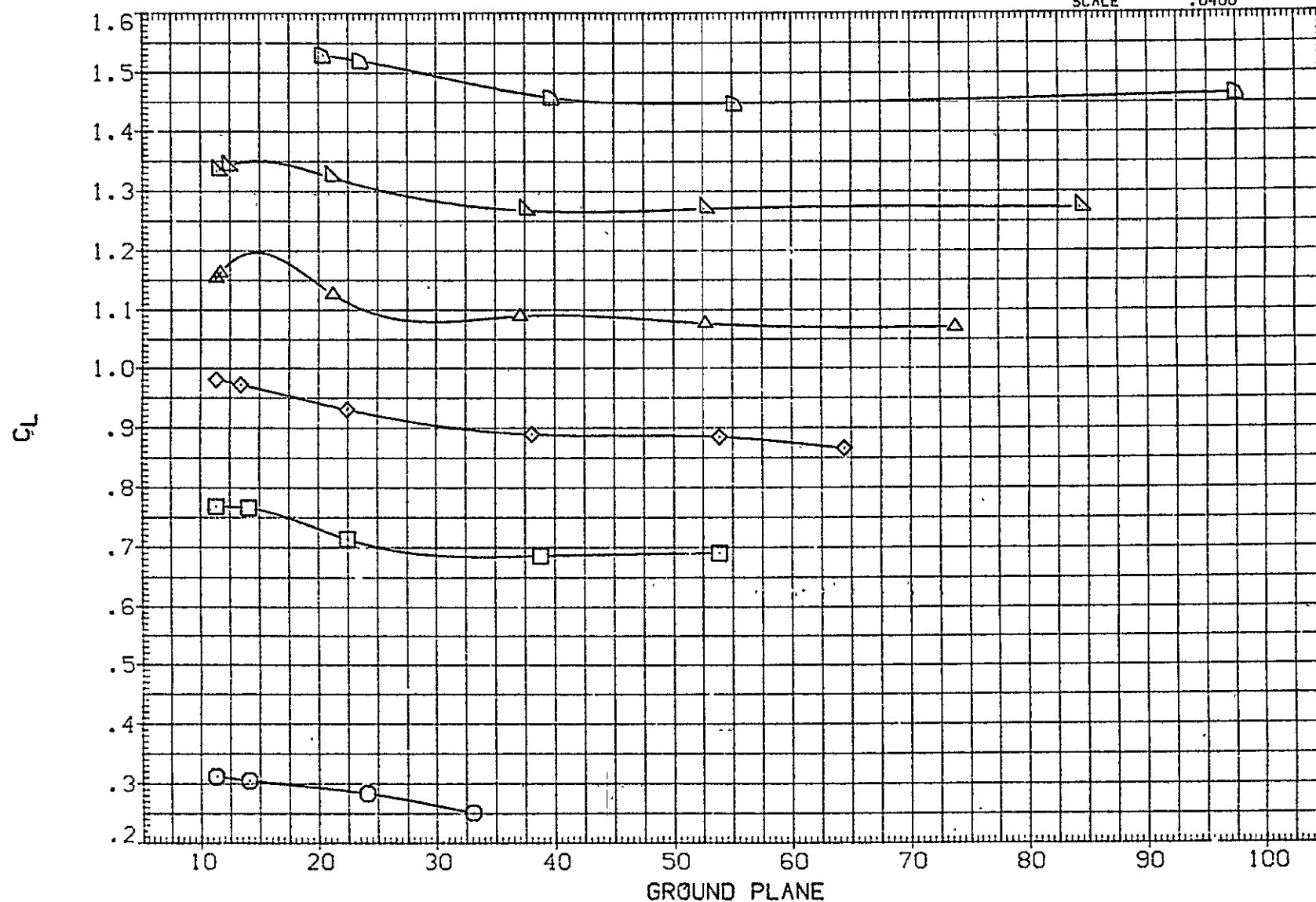


FIG 96 FERRY CON. IN GROUND PROXIMITY, STAB = -2, FLAPS 20 IORB=3, TC ON
MAIN BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(RJF434)	○	(CA-8) K2.1TS7H15.6.1F20TS40165.3.5	.213	3.000	-11.700	.000	SREF	5500.0000	50.FT.
(RJF435)	□	(CA-8) K2.1TS7H15.6.1F20TS40165.3.5	4.217	3.000	-11.700	.000	LREF	327.8000	IN.
(RJF436)	◇	(CA-8) K2.1TS7H15.6.1F20TS40165.3.5	6.243	3.000	-11.700	.000	BREF	2348.0000	IN.
(RJF437)	△	(CA-8) K2.1TS7H15.6.1F20TS40165.3.5	8.082	3.000	-11.700	.000	XMRP	1339.9100	IN.XC
(RJF438)	▽	(CA-8) K2.1TS7H15.6.1F20TS40165.3.5	10.091	3.000	-11.700	.000	YMRP	.0000	IN.YC
(RJF439)	◻	(CA-8) K2.1TS7H15.6.1F20TS40165.3.5	12.115	3.000	-11.700	.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

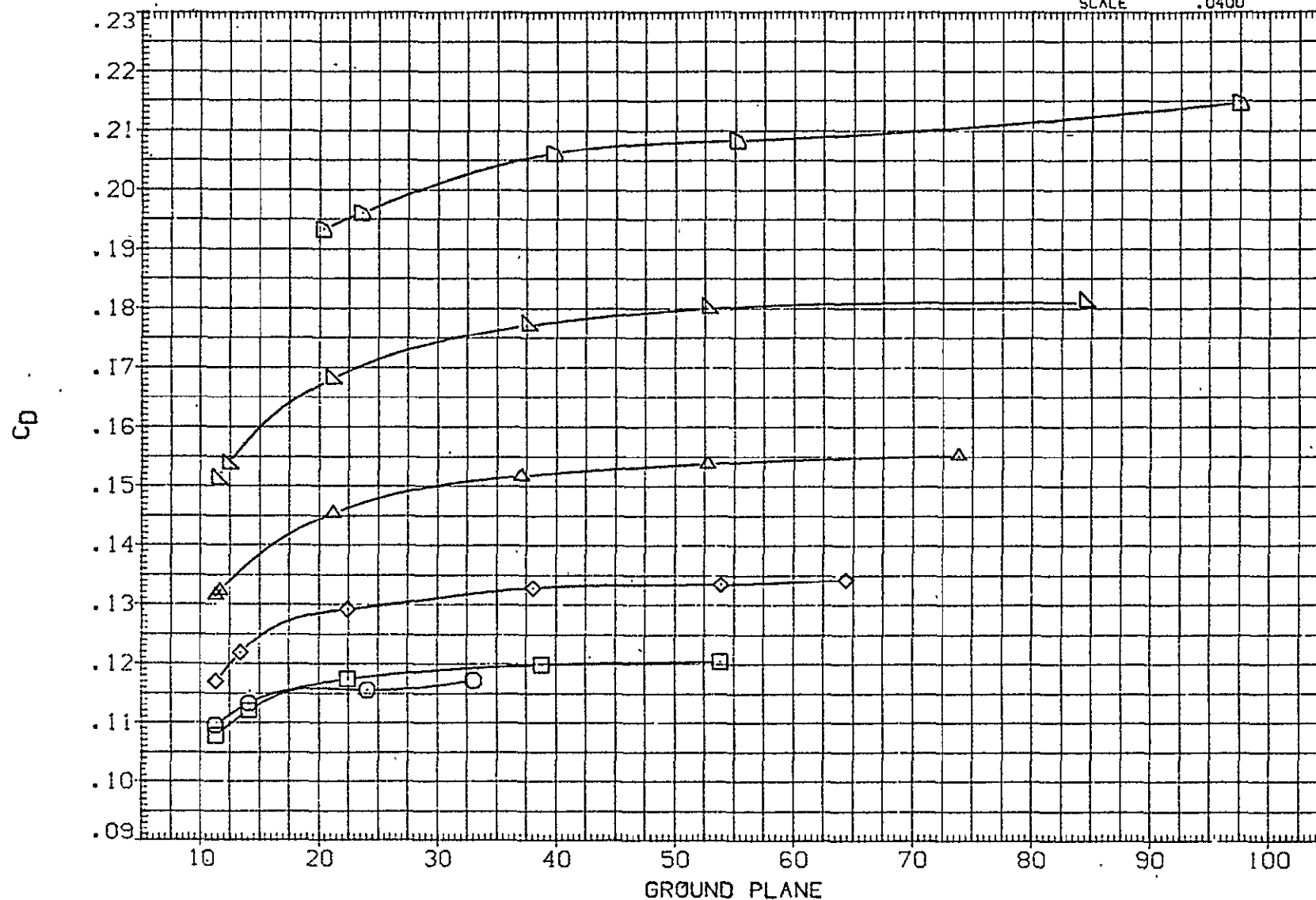


FIG 96 FERRY CON. IN GROUND PROXIMITY, STAB = -2, FLAPS 20 IORB=3, TC ON
MAIN BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(RJF434)	○	(CA-8) K2.1TS7H15.6.1F20TS40IG5.3.5	.213	3.000	-11.700	.000	SREF	5500.0000	SQ.FT.
(RJF435)	□	(CA-8) K2.1TS7H15.6.1F20TS40IG5.3.5	4.217	3.000	-11.700	.000	LREF	327.8000	IN.
(RJF436)	◇	(CA-8) K2.1TS7H15.6.1F20TS40IG5.3.5	6.243	3.000	-11.700	.000	BREF	2348.0000	IN.
(RJF437)	△	(CA-8) K2.1TS7H15.6.1F20TS40IG5.3.5	8.082	3.000	-11.700	.000	XMRP	1339.9100	IN.XC
(RJF438)	▽	(CA-8) K2.1TS7H15.6.1F20TS40IG5.3.5	10.091	3.000	-11.700	.000	YMRP	.0000	IN.YC
(RJF439)	◻	(CA-8) K2.1TS7H15.6.1F20TS40IG5.3.5	12.115	3.000	-11.700	.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

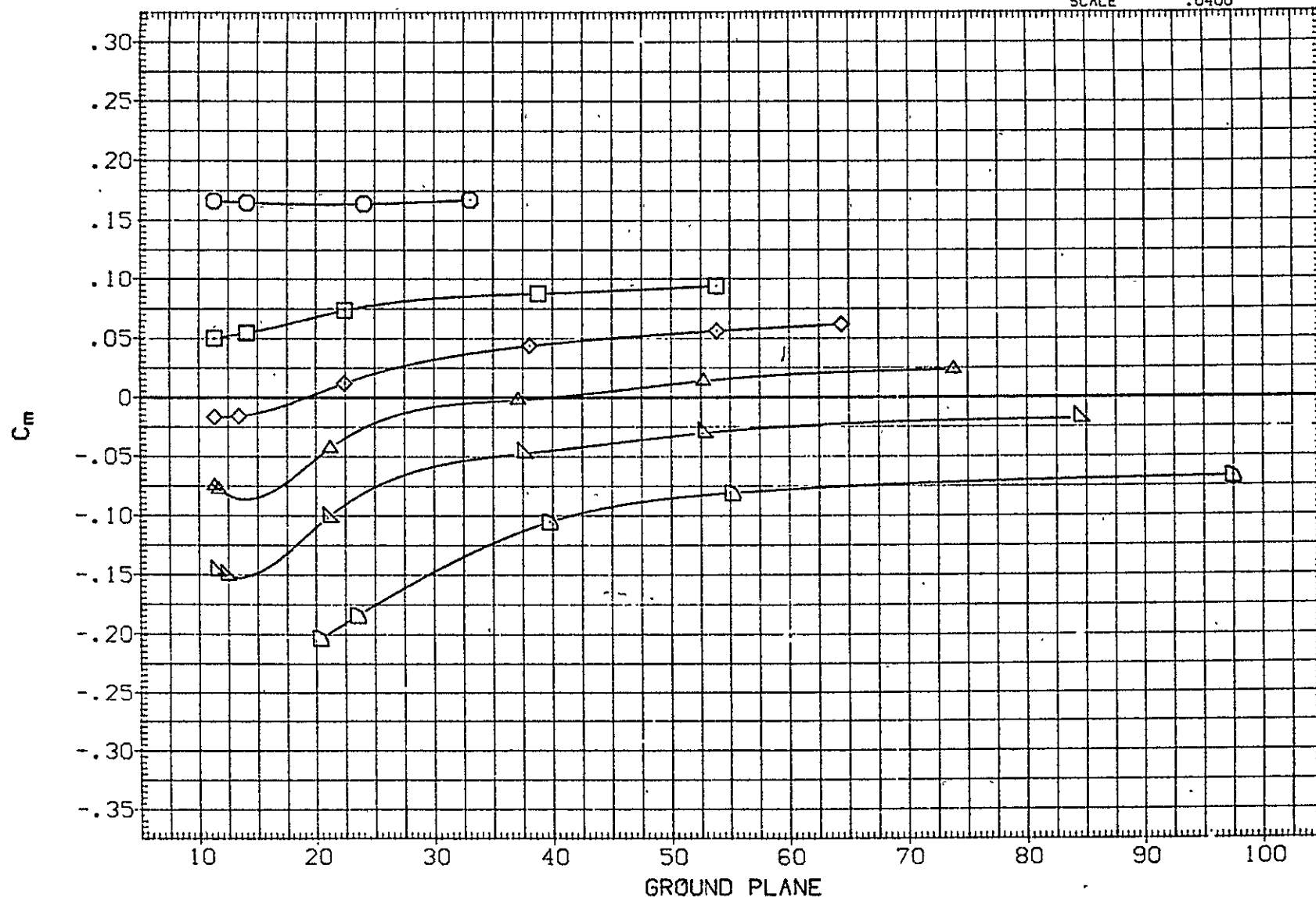


FIG 96 FERRY CON. IN GROUND PROXIMITY, STAB = -2, FLAPS 20 IORB=3, TC ON
MAIN BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(RJF428)	○	(CA-8) K2.1TS7H15.6.1F20TS40IG5.3.5	.228	3.000	-11.700	.000	SREF	5500.0000	50.FT.
(RJF429)	□	(CA-8) K2.1TS7H15.6.1F20TS40IG5.3.5	4.127	3.000	-11.700	.000	LREF	327.8000	IN.
(RJF430)	◇	(CA-8) K2.1TS7H15.6.1F20TS40IG5.3.5	6.124	3.000	-11.700	.000	BREF	2348.0000	IN.
(RJF431)	△	(CA-8) K2.1TS7H15.6.1F20TS40IG5.3.5	8.118	3.000	-11.700	.000	XM RP	1339.9100	IN.XC
(RJF432)	▽	(CA-8) K2.1TS7H15.6.1F20TS40IG5.3.5	10.126	3.000	-11.700	.000	YM RP	.0000	IN.YC
(RJF433)	◻	(CA-8) K2.1TS7H15.6.1F20TS40IG5.3.5	12.127	3.000	-11.700	.000	ZM RP	190.7500	IN.ZC
							SCALE	.0400	

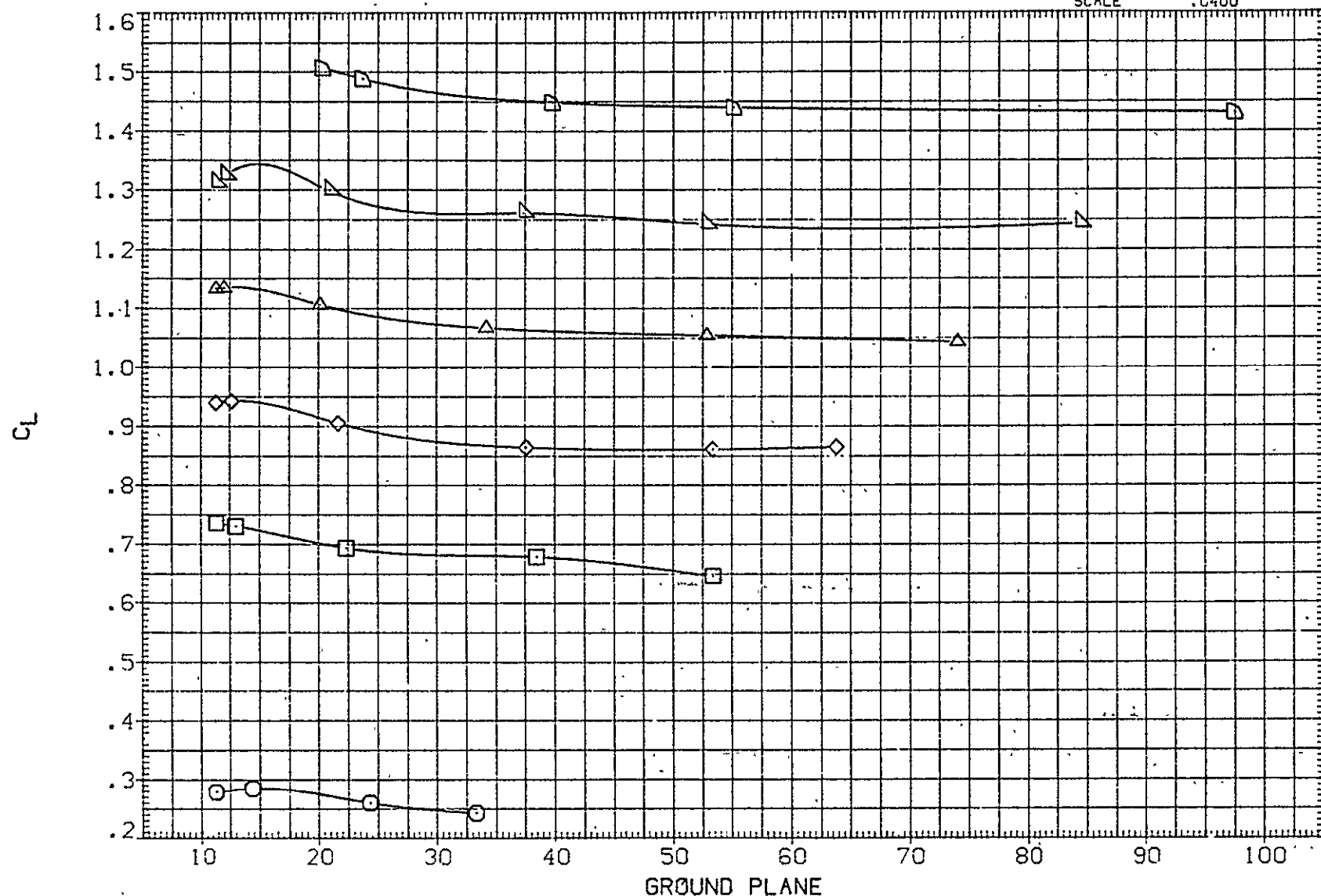


FIG 97 FERRY CON. IN GROUND PROXIMITY, STAB = -4, FLAPS 20 IORB=3. TC ON
MAIN BALANCE DATA-GP SWEEPS

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(RJF428)	○	(CA-8) K2.1TS7H15.6.1F20TS40IG5.3.5	.228	3.000	-11.700	.000	SREF	5500.0000	SQ.FT.
(RJF429)	□	(CA-8) K2.1TS7H15.6.1F20TS40IG5.3.5	4.127	3.000	-11.700	.000	LREF	327.8000	IN.
(RJF430)	◇	(CA-8) K2.1TS7H15.6.1F20TS40IG5.3.5	6.124	3.000	-11.700	.000	BREF	2348.0000	IN.
(RJF431)	△	(CA-8) K2.1TS7H15.6.1F20TS40IG5.3.5	8.118	3.000	-11.700	.000	XMRP	1339.9100	IN.XC
(RJF432)	▽	(CA-8) K2.1TS7H15.6.1F20TS40IG5.3.5	10.126	3.000	-11.700	.000	YMRP	.0000	IN.YC
(RJF433)	◻	(CA-8) K2.1TS7H15.6.1F20TS40IG5.3.5	12.127	3.000	-11.700	.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

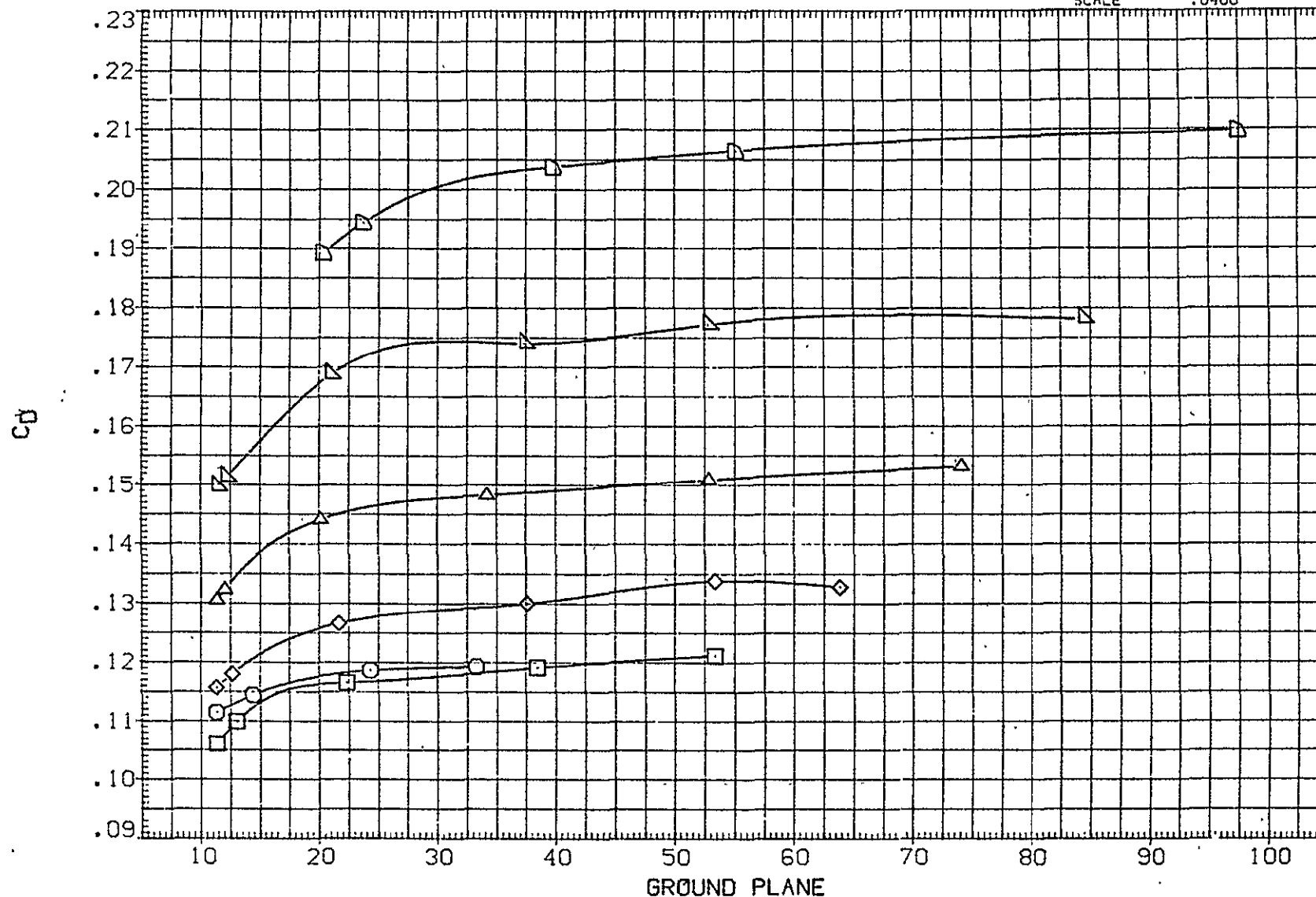


FIG 97 FERRY CON. IN GROUND PROXIMITY, STAB = -4, FLAPS 20 IORB=3, TC ON
MAIN BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(RJF428)	○	(CA-8) K2.1TS7H15.6.1F20TS401G5.3.5	.228	3.000	-11.700	.000	SREF	5500.0000	SG.FT.
(RJF429)	□	(CA-8) K2.1TS7H15.6.1F20TS401G5.3.5	4.127	3.000	-11.700	.000	LREF	327.8000	IN.
(RJF430)	◇	(CA-8) K2.1TS7H15.6.1F20TS401G5.3.5	6.124	3.000	-11.700	.000	BREF	2348.0000	IN.
(RJF431)	△	(CA-8) K2.1TS7H15.6.1F20TS401G5.3.5	8.118	3.000	-11.700	.000	XMRP	1339.9100	IN.XC
(RJF432)	▽	(CA-8) K2.1TS7H15.6.1F20TS401G5.3.5	10.126	3.000	-11.700	.000	YMRP	.0000	IN.YC
(RJF433)	◁	(CA-8) K2.1TS7H15.6.1F20TS401G5.3.5	12.127	3.000	-11.700	.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

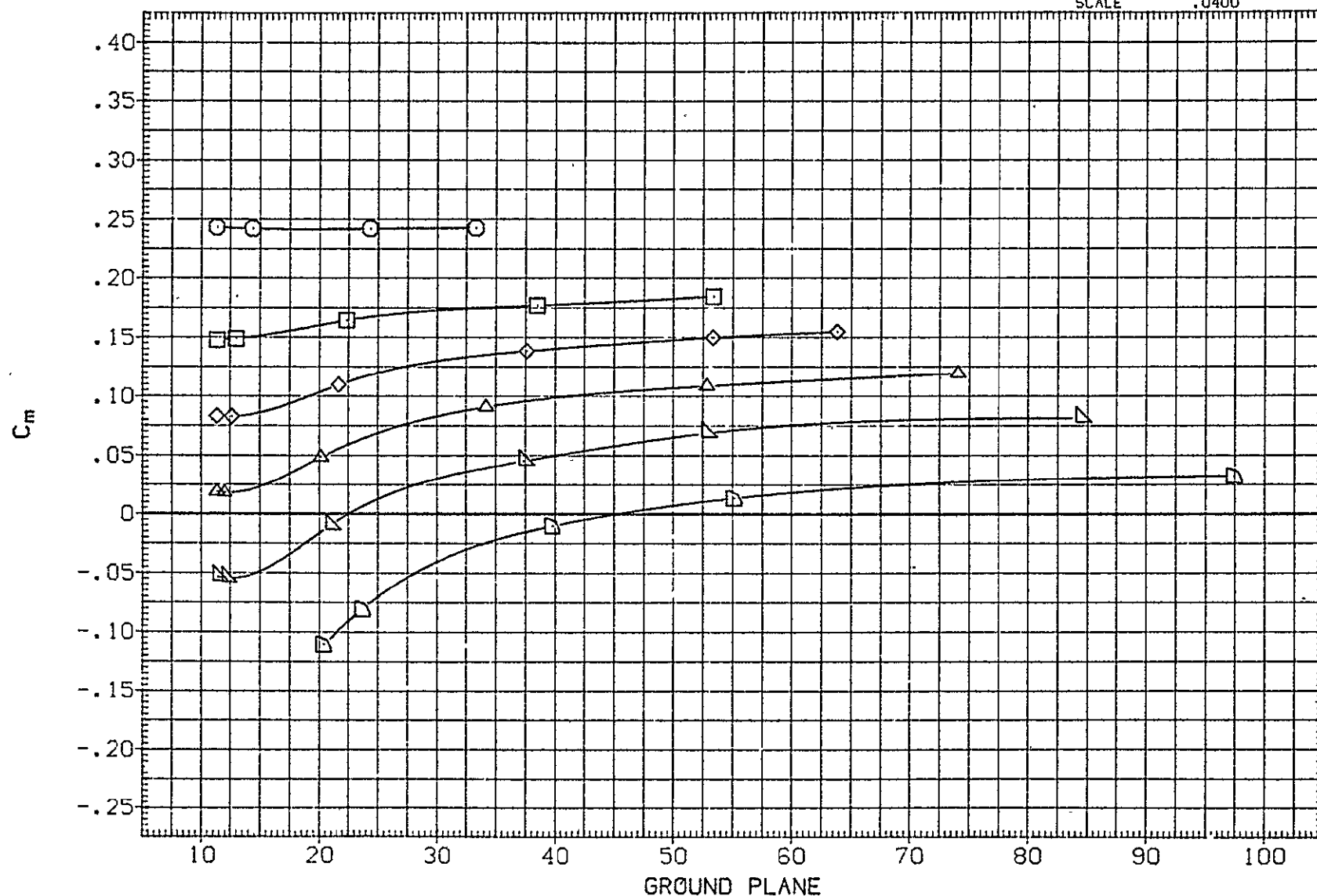


FIG 97 FERRY CON. IN GROUND PROXIMITY, STAB = -4, FLAPS 20
MAIN BALANCE DATA-GP SWEEPS

IORB=3, TC ON

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	IORB	BOFLAP	ELEVON	REFERENCE INFORMATION		
(RJF416)	○	(CA-8) K2.1TS7H15.6.1F20TS40165.3.5	.239	3.000	-11.700	.000	SREF	5500.0000	SQ.FT.
(RJF417)	□	(CA-8) K2.1TS7H15.6.1F20TS40165.3.5	4.132	3.000	-11.700	.000	LREF	327.8000	IN.
(RJF418)	◇	(CA-8) K2.1TS7H15.6.1F20TS40165.3.5	6.160	3.000	-11.700	.000	BREF	2348.0000	IN.
(RJF419)	△	(CA-8) K2.1TS7H15.6.1F20TS40165.3.5	8.144	3.000	-11.700	.000	XMRP	1339.9100	IN.XC
(RJF420)	▽	(CA-8) K2.1TS7H15.6.1F20TS40165.3.5	10.094	3.000	-11.700	.000	YMRP	.0000	IN.YC
(RJF421)	◻	(CA-8) K2.1TS7H15.6.1F20TS40165.3.5	12.106	3.000	-11.700	.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

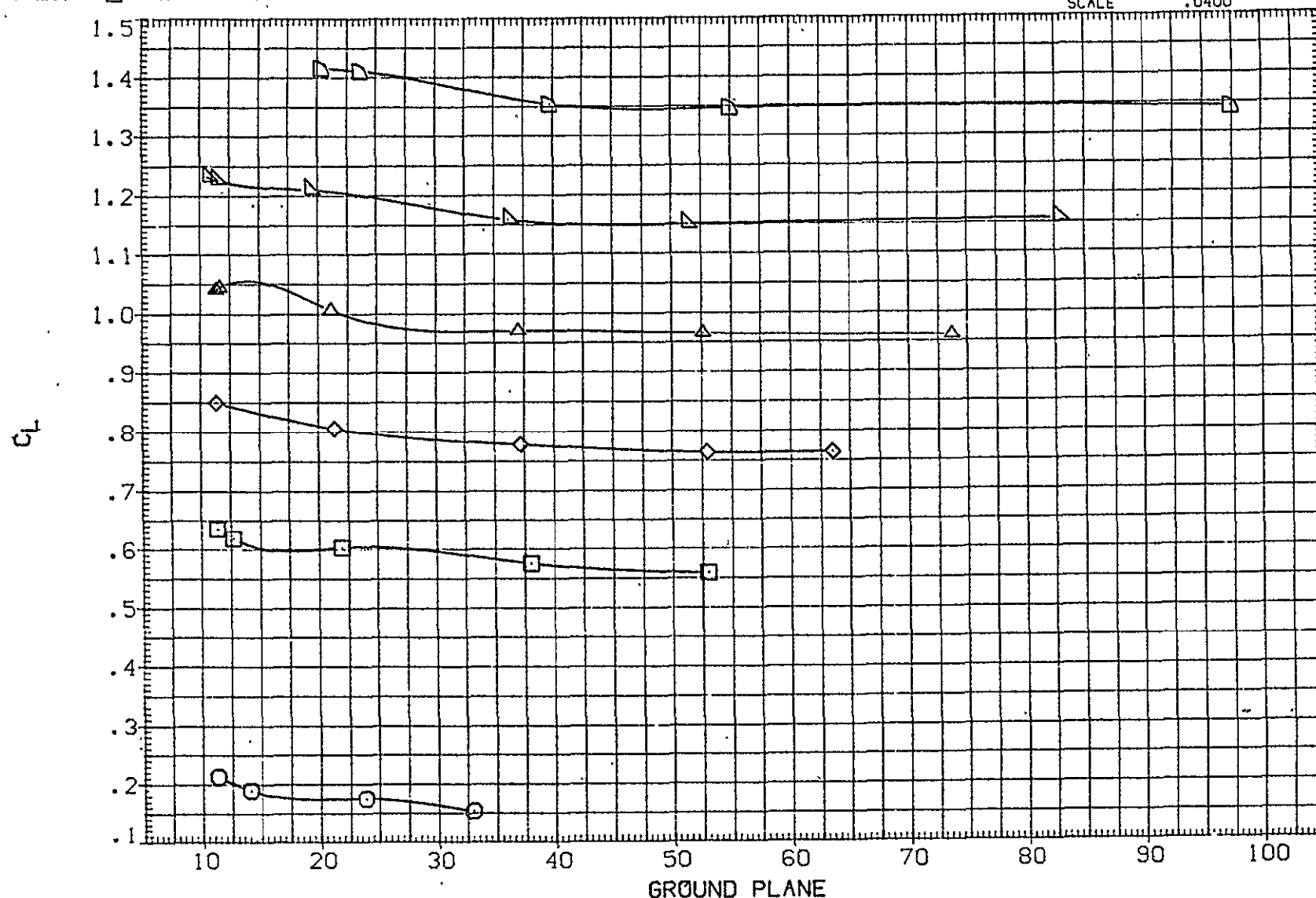


FIG 98 FERRY CON. IN GROUND PROXIMITY. STAB = 0. ELEVTR=-23. IORB=3. TC ON
MAIN BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(RJF416)	○	(CA-8) K2.1TS7H15.6.1F20TS401G5.3.5	.239	3.000	-11.700	.000	SREF	5500.0000	SQ.FT.
(RJF417)	□	(CA-8) K2.1TS7H15.6.1F20TS401G5.3.5	4.132	3.000	-11.700	.000	LREF	327.8000	IN.
(RJF418)	◇	(CA-8) K2.1TS7H15.6.1F20TS401G5.3.5	6.160	3.000	-11.700	.000	BREF	2348.0000	IN.
(RJF419)	△	(CA-8) K2.1TS7H15.6.1F20TS401G5.3.5	8.144	3.000	-11.700	.000	XMRP	1339.9100	IN.XC.
(RJF420)	▽	(CA-8) K2.1TS7H15.6.1F20TS401G5.3.5	10.094	3.000	-11.700	.000	YMRP	.0000	IN.YC.
(RJF421)	◻	(CA-8) K2.1TS7H15.6.1F20TS401G5.3.5	12.106	3.000	-11.700	.000	ZMRP	190.7500	IN.ZC.
							SCALE	.0400	

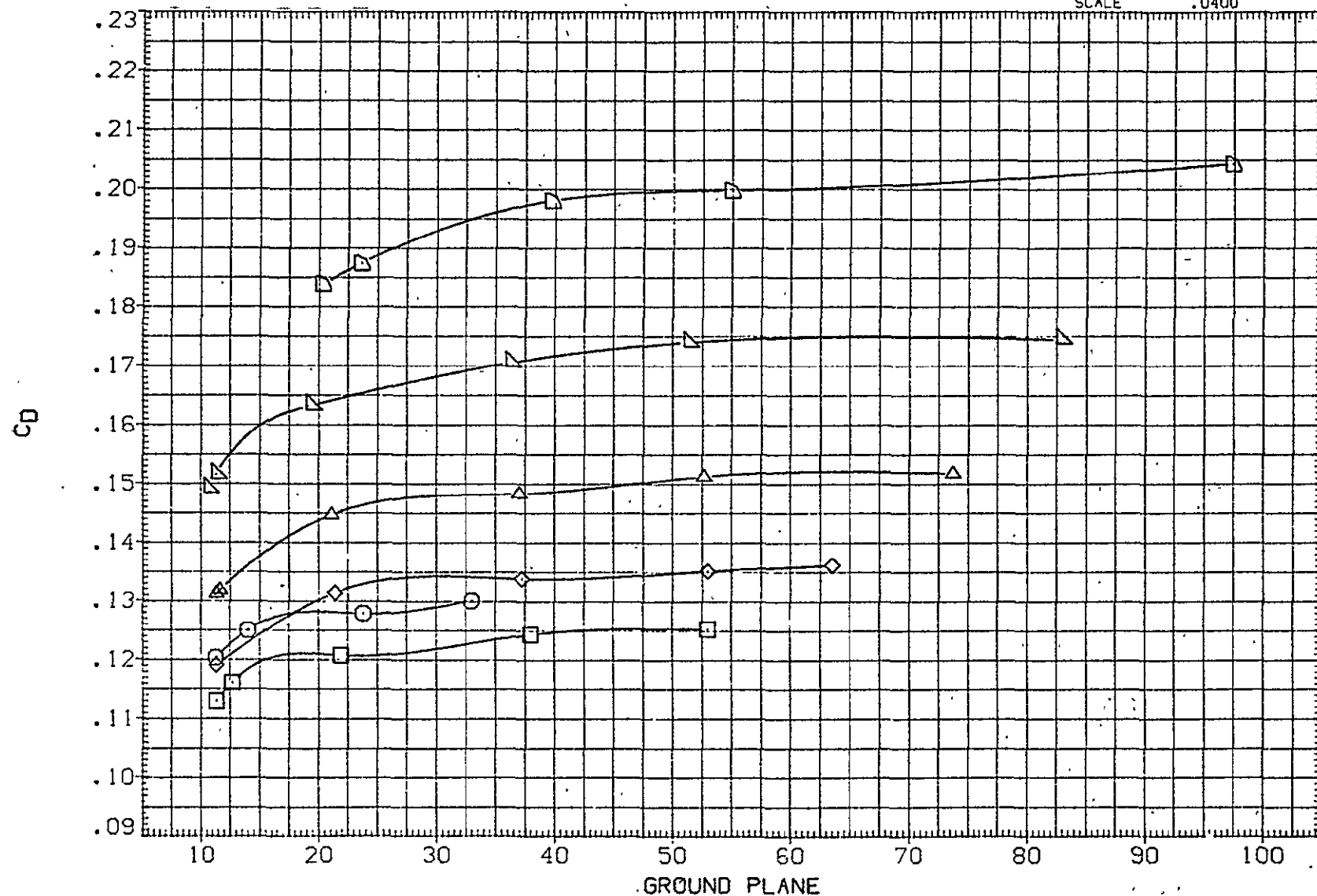


FIG 98 FERRY CON. IN GROUND PROXIMITY, STAB = 0, ELEVTR=-23, IORB=3, TC ON
MAIN BALANCE DATA-GP SWEEPS

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(RJF416)	○	(CA-8) K2.1TS7H15.6.1F20TS40165.3.5	.239	3.000	-11.700	.000	SREF	5500.0000	50.FT.
(RJF417)	□	(CA-8) K2.1TS7H15.6.1F20TS40165.3.5	4.132	3.000	-11.700	.000	LREF	327.8000	IN.
(RJF418)	◇	(CA-8) K2.1TS7H15.6.1F20TS40165.3.5	6.160	3.000	-11.700	.000	BREF	2348.0000	IN.
(RJF419)	△	(CA-8) K2.1TS7H15.6.1F20TS40165.3.5	8.144	3.000	-11.700	.000	XMRP	1339.9100	IN.XC
(RJF420)	▽	(CA-8) K2.1TS7H15.6.1F20TS40165.3.5	10.094	3.000	-11.700	.000	YMRP	.0000	IN.YC
(RJF421)	◁	(CA-8) K2.1TS7H15.6.1F20TS40165.3.5	12.106	3.000	-11.700	.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

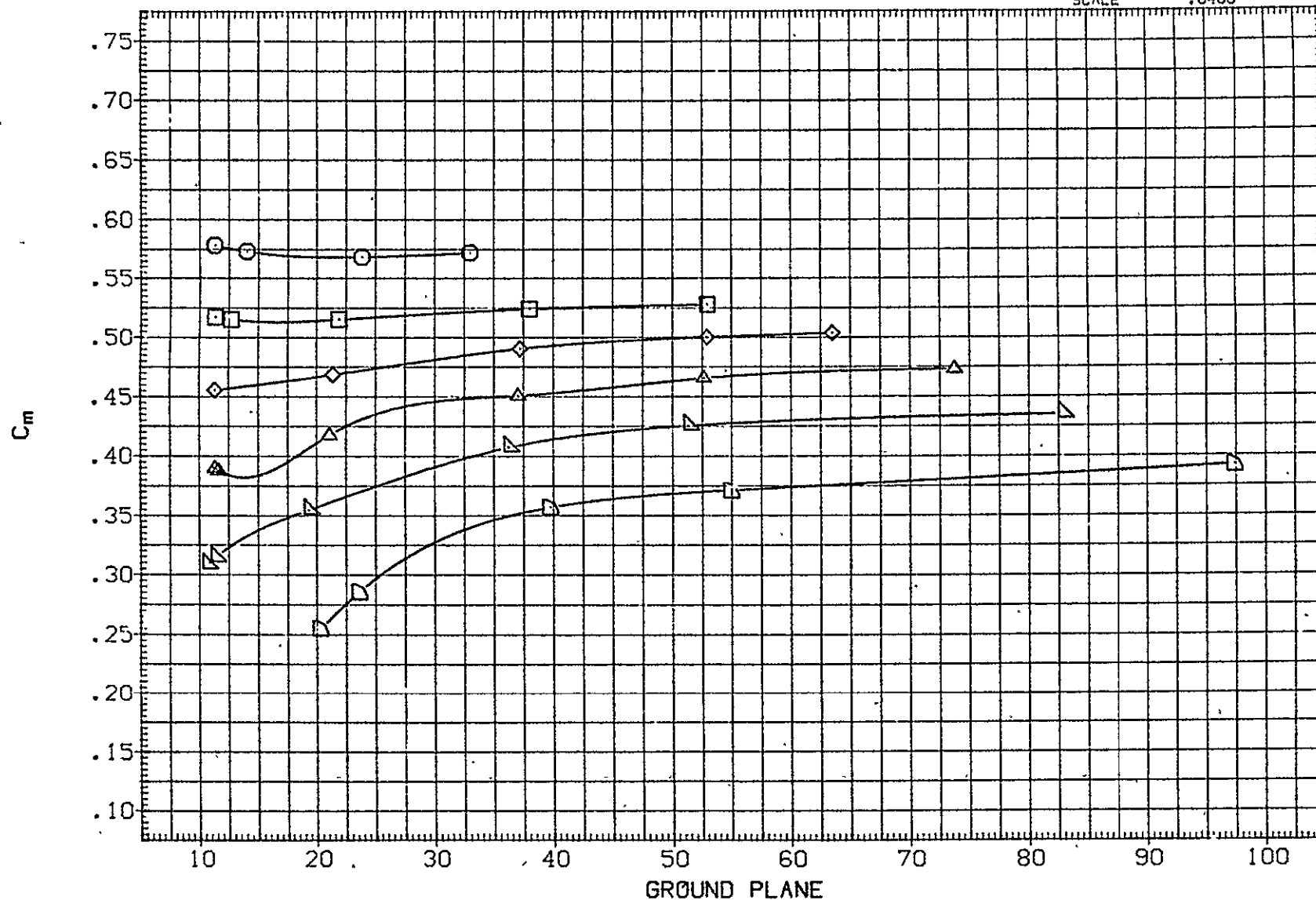


FIG 98 FERRY CON. IN GROUND PROXIMITY, STAB = 0, ELEVTR=-23, IORB=3, TC ON
MAIN BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(RJF482)	□	(CA-8) K3.1TS7 F20TS40165.3.5	.145	6.000	-11.700	-5.000	SREF	5500.0000	SQ.FT.
(RJF483)	□	(CA-8) K3.1TS7 F20TS40165.3.5	4.103	6.000	-11.700	-5.000	LREF	327.8000	IN.
(PJF484)	◇	(CA-8) K3.1TS7 F20TS40165.3.5	6.140	6.000	-11.700	-5.000	BREF	2348.0000	IN.
(RJF485)	△	(CA-8) K3.1TS7 F20TS40165.3.5	8.130	6.000	-11.700	-5.000	XMRP	1339.9100	IN.XC
(RJF486)	△	(CA-8) K3.1TS7 F20TS40165.3.5	10.130	6.000	-11.700	-5.000	YMRP	.0000	IN.YC
(RJF487)	△	(CA-8) K3.1TS7 F20TS40165.3.5	12.185	6.000	-11.700	-5.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

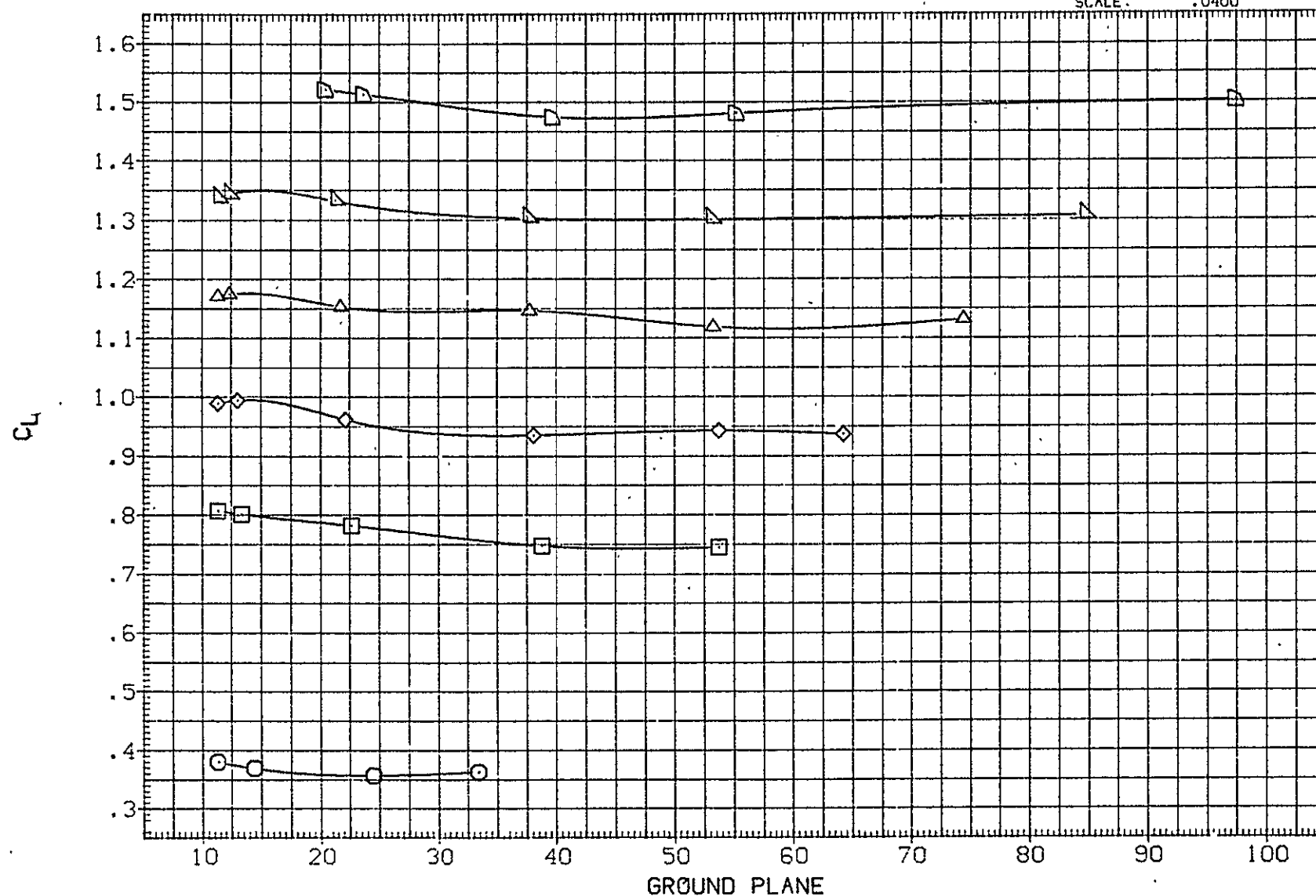


FIG 99 FERRY CON. IN GROUND PROXIMITY, HORIZ OFF, FLAPS 20 IORB=6, TC ON
MAIN BALANCE DATA-GP SWEEPS

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(RJF482)	□	(CA-8) K3.1TS7 F20TS401G5.3.5	.145	6.000	-11.700	-5.000	SREF	5500.0000	SQ.FT.
(RJF483)	◇	(CA-8) K3.1TS7 F20TS401G5.3.5	4.103	6.000	-11.700	-5.000	LREF	327.8000	IN.
(RJF484)	△	(CA-8) K3.1TS7 F20TS401G5.3.5	6.140	6.000	-11.700	-5.000	BREF	2348.0000	IN.
(RJF485)	▽	(CA-8) K3.1TS7 F20TS401G5.3.5	8.130	6.000	-11.700	-5.000	XMRP	1339.9100	IN.XC
(PJF486)	○	(CA-8) K3.1TS7 F20TS401G5.3.5	10.130	6.000	-11.700	-5.000	YMRP	.0000	IN.YC
(PJF487)	▽	(CA-8) K3.1TS7 F20TS401G5.3.5	12.185	6.000	-11.700	-5.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

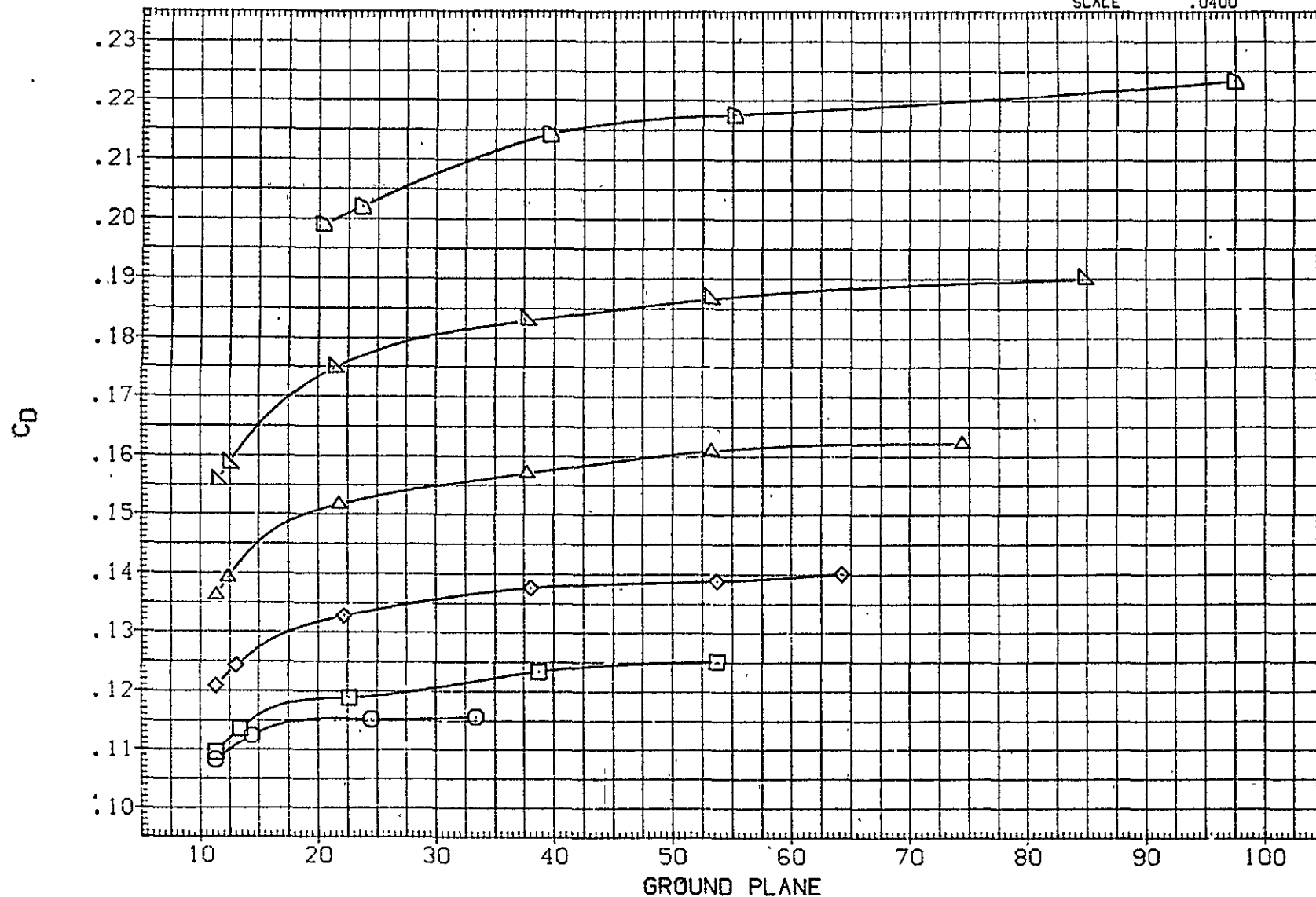


FIG 99 FERRY CON. IN GROUND PROXIMITY, HORIZ OFF, FLAPS 20 IORB=6, TC ON
MAIN BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(RJF482)	○	(CA-8) K3.1TS7 F20TS40165.3.5	.145	6.000	-11.700	-5.000	SRCF	5500.0000	50.FT.
(RJF483)	□	(CA-8) K3.1TS7 F20TS40165.3.5	4.103	6.000	-11.700	-5.000	LREF	327.8000	IN.
(RJF484)	◇	(CA-8) K3.1TS7 F20TS40165.3.5	6.140	6.000	-11.700	-5.000	BREF	2348.0000	IN.
(RJF485)	△	(CA-8) K3.1TS7 F20TS40165.3.5	8.130	6.000	-11.700	-5.000	XM RP	1339.9100	IN.XC
(RJF486)	▽	(CA-8) K3.1TS7 F20TS40165.3.5	10.130	6.000	-11.700	-5.000	YM RP	.0000	IN.YC
(RJF487)	◻	(CA-8) K3.1TS7 F20TS40165.3.5	12.185	6.000	-11.700	-5.000	ZM RP	190.7500	IN.ZC
							SCALE	.0400	

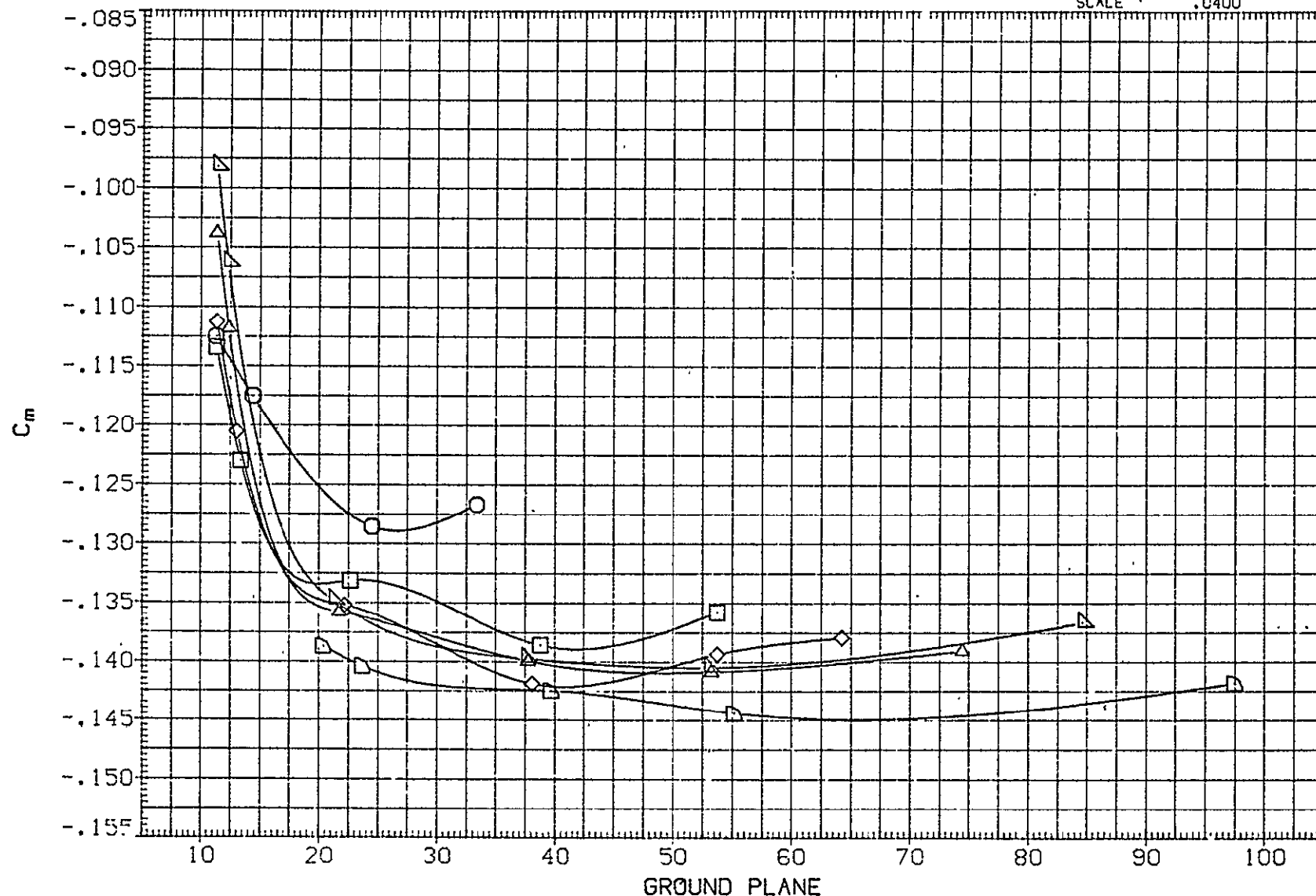


FIG 99 FERRY CON. IN GROUND PROXIMITY, HORIZ OFF, FLAPS 20 IORB=6, TC ON
MAIN BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(RJF476)	○	(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5	.160	6.000	-11.700	-5.000	SREF	5500.0000	SQ.FT.
(RJF477)	□	(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5	4.122	6.000	-11.700	-5.000	LREF	327.8000	IN.
(RJF478)	◇	(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5	6.123	6.000	-11.700	-5.000	BREF	2348.0000	IN.
(RJF479)	△	(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5	8.107	6.000	-11.700	-5.000	XMRP	1339.9100	IN.XC
(RJF480)	▽	(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5	10.145	6.000	-11.700	-5.000	YMRP	.0000	IN.YC
(RJF481)	◻	(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5	12.153	6.000	-11.700	-5.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

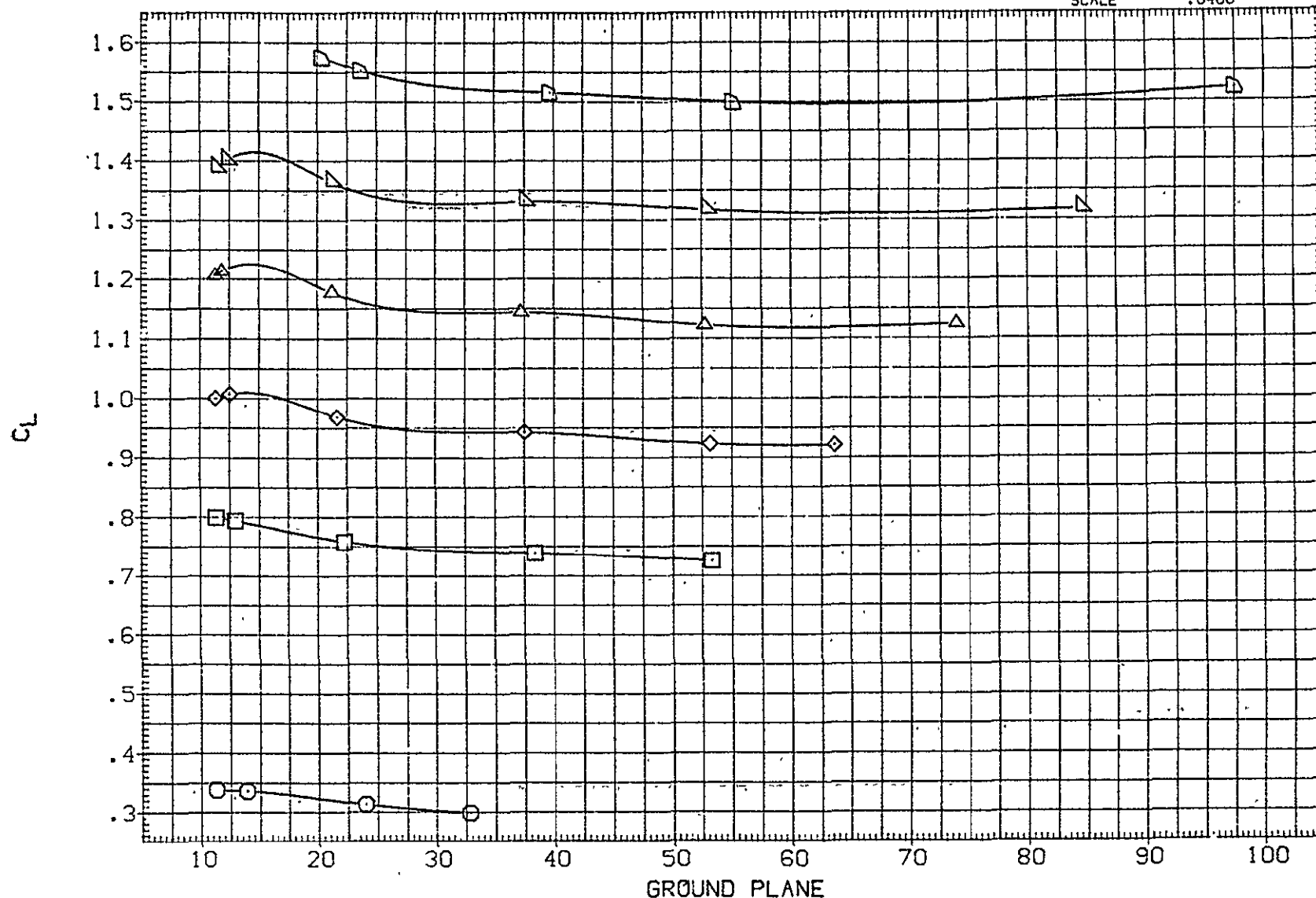


FIG 100 FERRY CON. IN GROUND PROXIMITY, STAB = 2, FLAPS 20. IORB=6, TC ON
MAIN BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	IORB	BD=LAP	ELEVON	REFERENCE INFORMATION		
(RJF476)	○	(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5	.160	6.000	-11.700	-5.000	SREF	5500.0000	SQ.FT.
(RJF477)	□	(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5	4.122	6.000	-11.700	-5.000	LREF	327.8000	IN.
(RJF478)	◇	(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5	6.123	6.000	-11.700	-5.000	BREF	2348.0000	IN.
(RJF479)	△	(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5	8.107	6.000	-11.700	-5.000	XMRP	1339.9100	IN.XC
(RJF480)	▽	(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5	10.145	6.000	-11.700	-5.000	YMRP	.0000	IN.YC
(RJF481)	◻	(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5	12.153	6.000	-11.700	-5.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

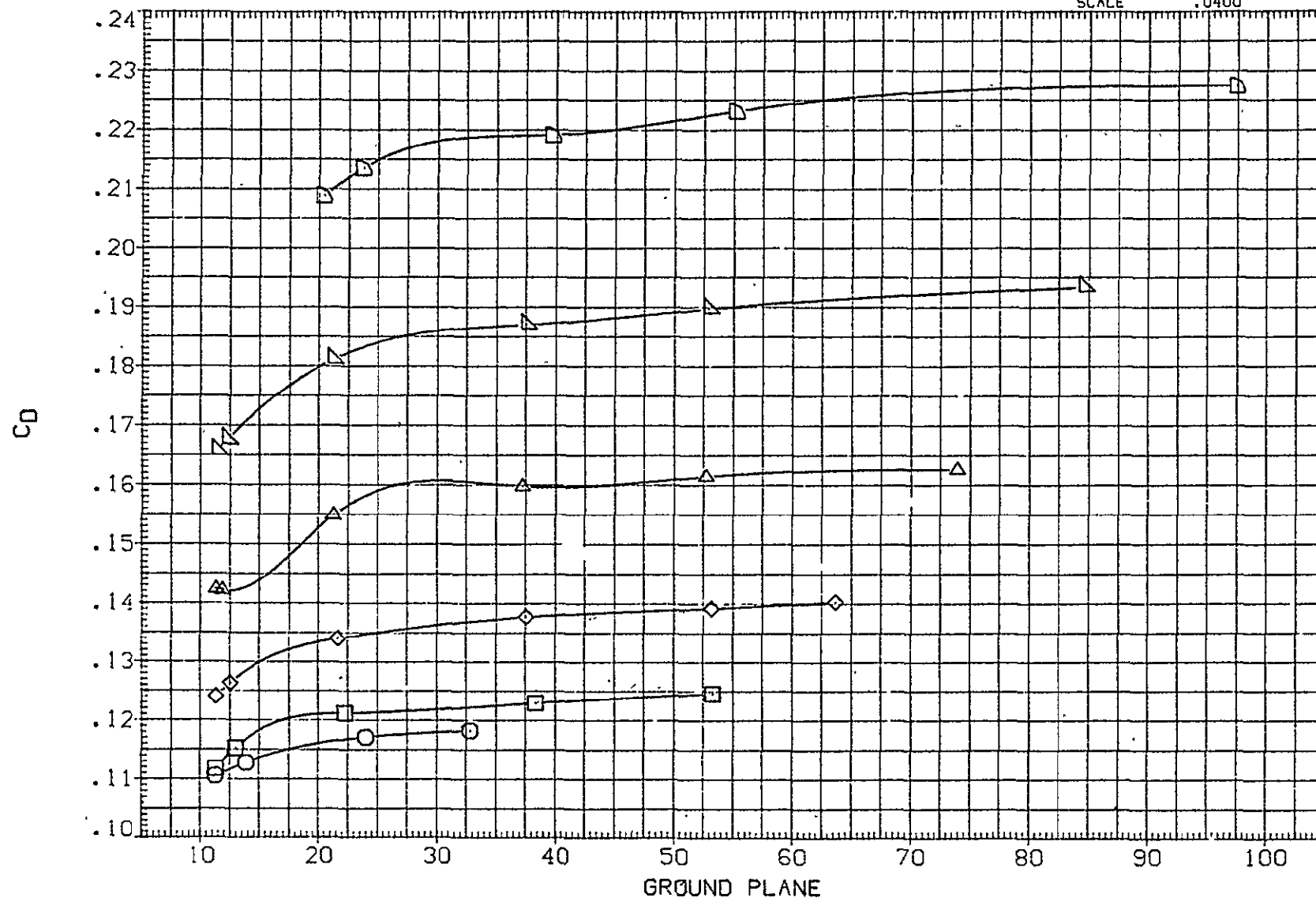


FIG 100 FERRY CON. IN GROUND PROXIMITY. STAB = 2. FLAPS 20, IORB=6, TC ON
MAIN BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(RJF476)	○	(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5	.160	6.000	-11.700	-5.000	SREF	5500.0000	50.FT.
(RJF477)	□	(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5	4.122	6.000	-11.700	-5.000	LREF	327.8000	1N.
(RJF478)	◇	(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5	6.123	6.000	-11.700	-5.000	BREF	2348.0000	1N.
(RJF479)	△	(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5	8.107	6.000	-11.700	-5.000	XMRP	1339.9100	1N.XC
(RJF480)	▽	(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5	10.145	6.000	-11.700	-5.000	YMRP	.0000	1N.YC
(RJF481)	◻	(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5	12.153	6.000	-11.700	-5.000	ZMRP	190.7500	1N.ZC
							SCALE	.0400	

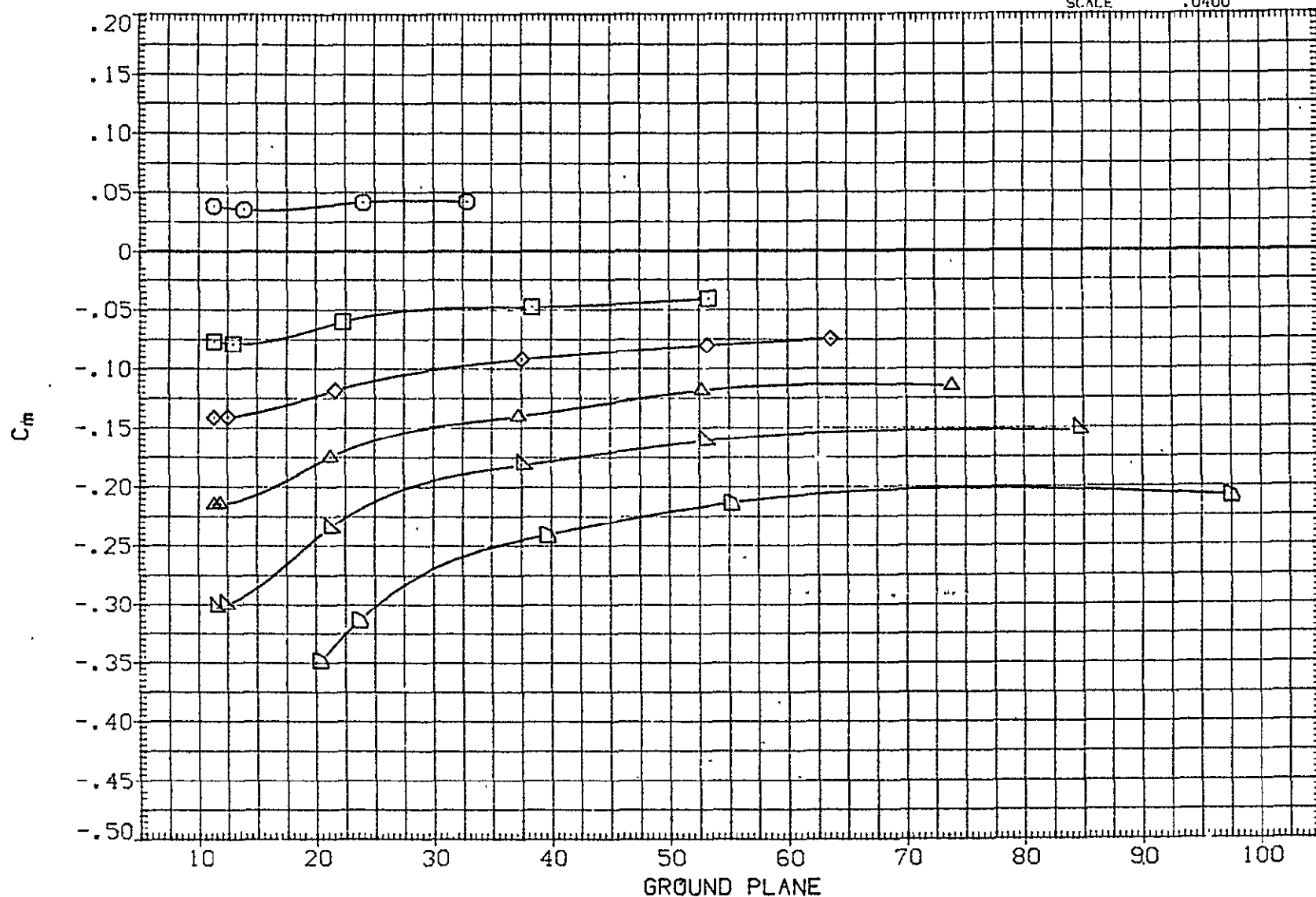


FIG 100 FERRY CON. IN GROUND PROXIMITY, STAB = 2, FLAPS 20, IORB=6, TC ON
MAIN BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA _W	I _{ORB}	BDFLAP	ELEVON	REFERENCE INFORMATION		
(PJF464)	○	(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5	.156	6.000	-11.700	-5.000	SREF	5500.0000	SQ.FT.
(RJF465)	□	(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5	4.137	6.000	-11.700	-5.000	LREF	327.8000	IN.
(RJF466)	△	(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5	6.138	6.000	-11.700	-5.000	BREF	2348.0000	IN.
(RJF467)	◇	(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5	8.126	6.000	-11.700	-5.000	XMRP	1339.9100	IN.XC
(RJF468)	▽	(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5	10.114	6.000	-11.700	-5.000	YMRP	.0000	IN.YC
(RJF469)	◻	(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5	12.137	6.000	-11.700	-5.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

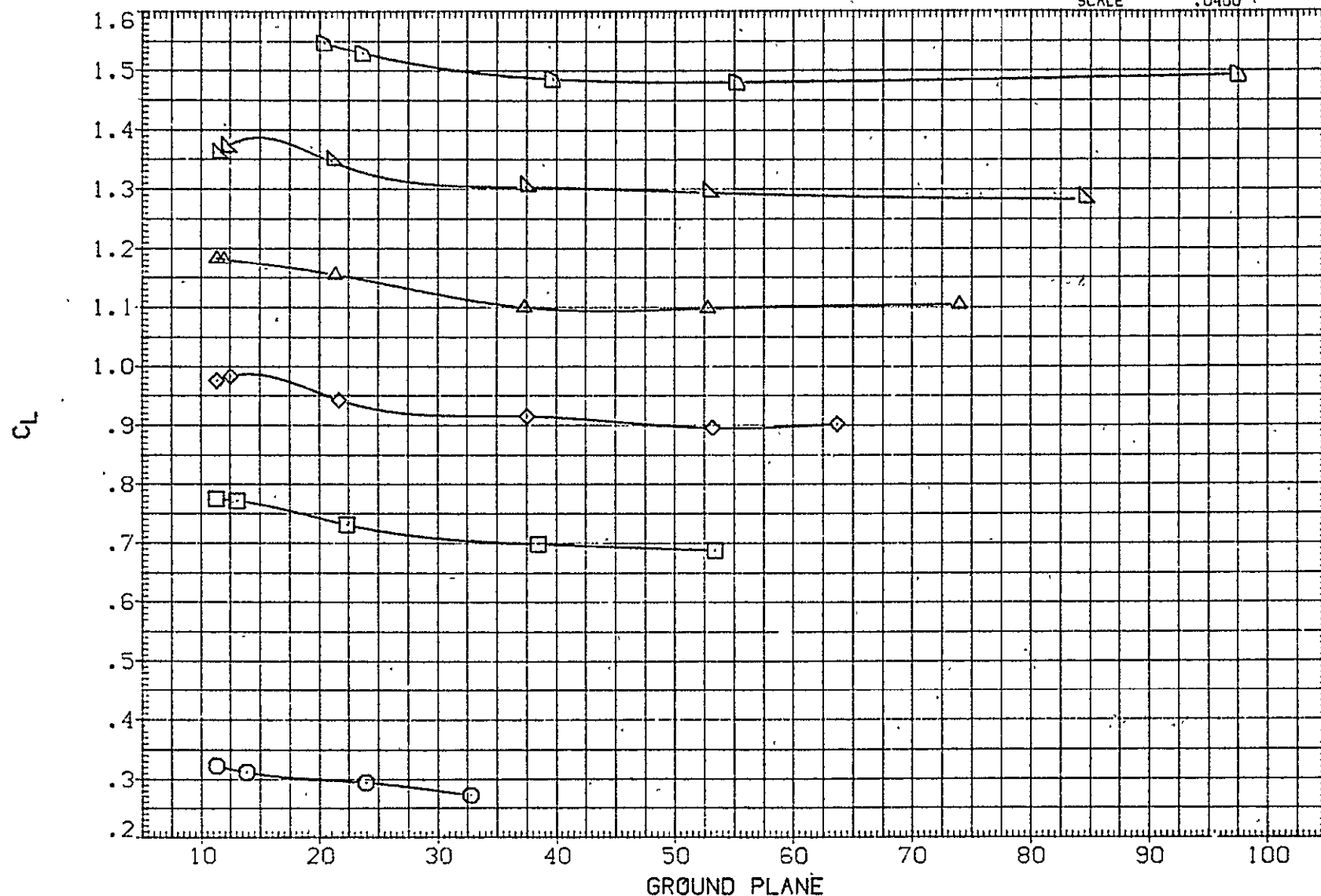


FIG. 101 FERRY CON. IN GROUND PROXIMITY, STAB = 0, FLAPS 20, I_{ORB}=6, TC ON
MAIN BALANCE DATA-GP SWEEPS

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(RJF464)	○	(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5	.156	6.000	-11.700	-5.000	SREF	5500.0000	SQ.FT.
(RJF465)	□	(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5	4.137	6.000	-11.700	-5.000	LREF	327.8000	IN.
(RJF466)	◇	(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5	6.138	6.000	-11.700	-5.000	BREF	2348.0000	IN.
(RJF467)	△	(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5	8.126	6.000	-11.700	-5.000	XMRP	1339.9100	IN.XC
(RJF468)	▽	(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5	10.114	6.000	-11.700	-5.000	YMRP	.0000	IN.YC
(RJF469)	▢	(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5	12.137	6.000	-11.700	-5.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

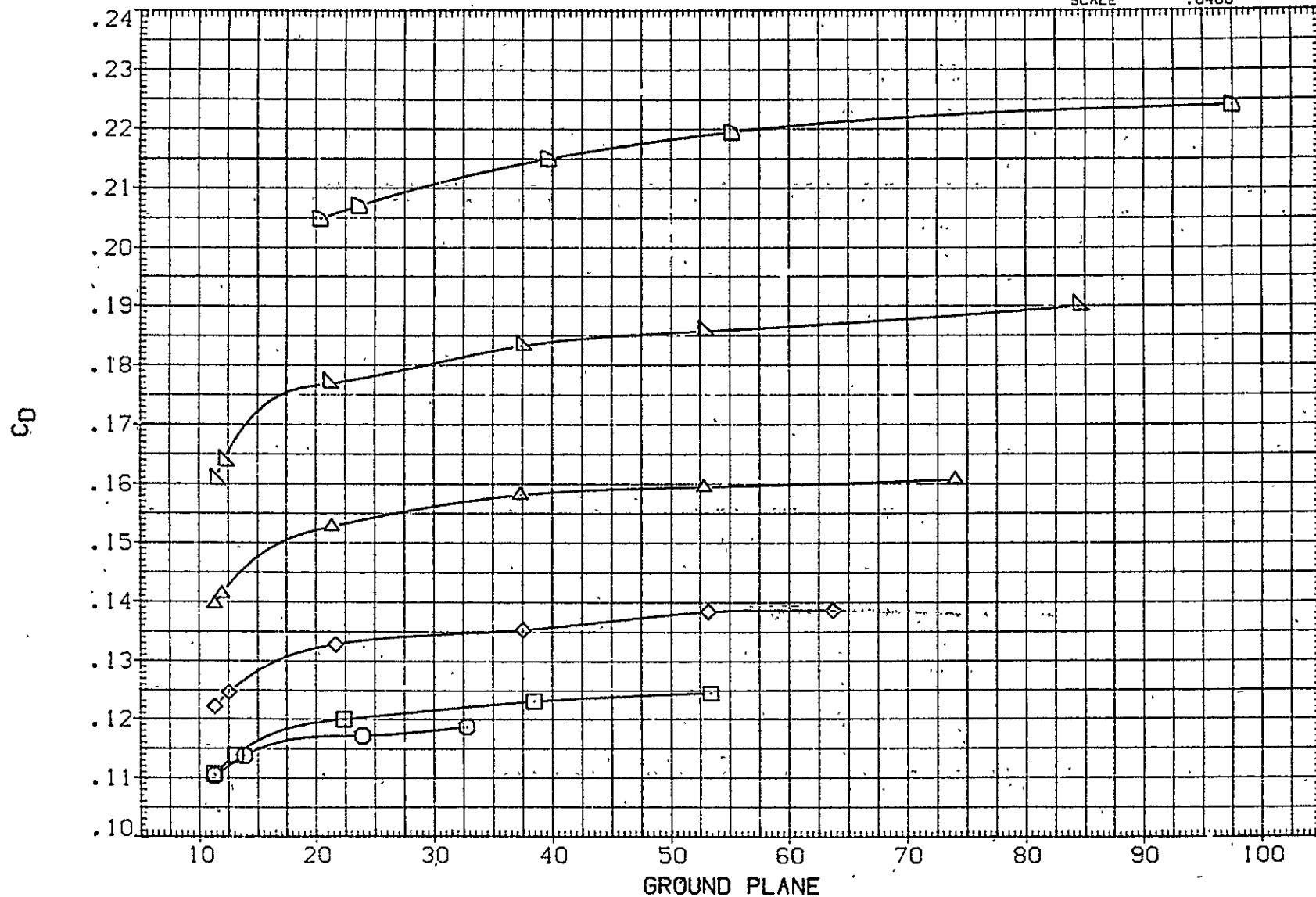


FIG 101 FERRY CON. IN GROUND PROXIMITY, STAB = 0, FLAPS 20, IORB=6, TC ON
MAIN BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(RJF464)	○	(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5	.156	6.000	-11.700	-5.000	SREF	5500.0000	50.FT.
(RJF465)	□	(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5	4.137	6.000	-11.700	-5.000	LREF	327.8000	IN.
(RJF466)	◇	(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5	6.138	6.000	-11.700	-5.000	BREF	2348.0000	IN.
(RJF467)	△	(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5	8.126	6.000	-11.700	-5.000	XMHP	1339.9100	IN.XC
(RJF468)	▽	(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5	10.114	6.000	-11.700	-5.000	YMRP	.0000	IN.YC
(RJF469)	◊	(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5	12.137	6.000	-11.700	-5.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

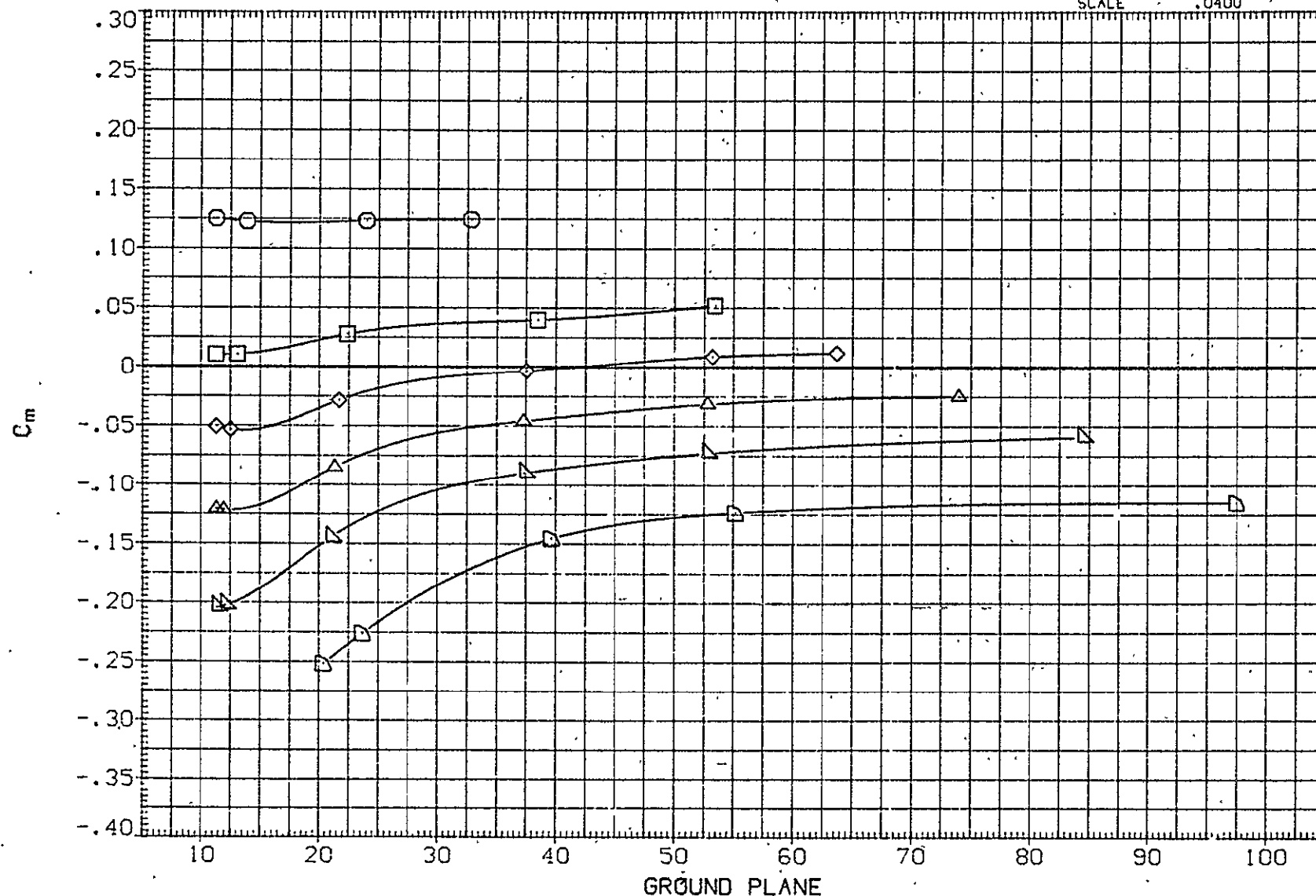


FIG 101 FERRY CON. IN GROUND PROXIMITY, STAB = 0, FLAPS 20, IORB=6, TC ON
MAIN BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(RJF470)	○	(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5	.211	6.000	-11.700	-5.000	SREF	5500.0000	SQ.FT.
(RJF471)	□	(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5	4.154	6.000	-11.700	-5.000	LREF	327.8000	IN.
(RJF472)	◇	(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5	6.134	6.000	-11.700	-5.000	BREF	2348.0000	IN.
(RJF473)	△	(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5	8.145	6.000	-11.700	-5.000	XMRP	1339.9100	IN.XC
(RJF474)	▽	(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5	10.110	6.000	-11.700	-5.000	YMRP	.0000	IN.YC
(RJF475)	◻	(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5	12.143	6.000	-11.700	-5.000	ZMPP	190.7500	IN.ZC
							SCALE	.0400	

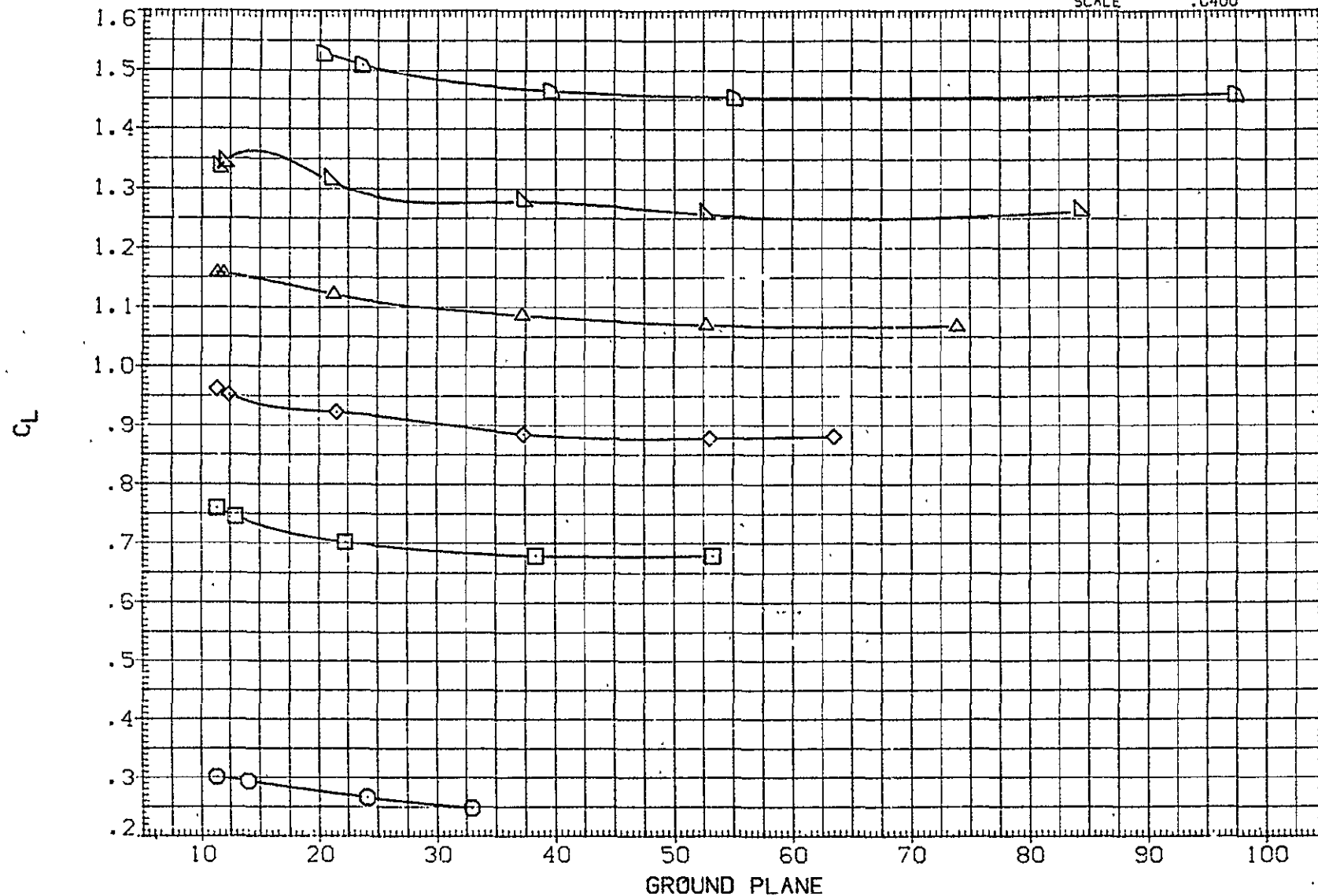


FIG 102 FERRY CON. IN GROUND PROXIMITY, STAB = -2, FLAPS 20, IORB=6, TC ON
MAIN BALANCE DATA-GP SWEEPS

(A)MACH = .15

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DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(RJF470)	○	(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5	.211	6.000	-11.700	-5.000	SREF	5500.0000	50.FT.
(RJF471)	□	(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5	4.154	6.000	-11.700	-5.000	LREF	327.8000	IN.
(RJF472)	◇	(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5	6.134	6.000	-11.700	-5.000	BREF	2348.0000	IN.
(RJF473)	△	(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5	8.145	6.000	-11.700	-5.000	XMRP	1339.9100	IN.XC
(RJF474)	▽	(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5	10.110	6.000	-11.700	-5.000	YMRP	.0000	IN.YC
(RJF475)	▷	(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5	12.143	6.000	-11.700	-5.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

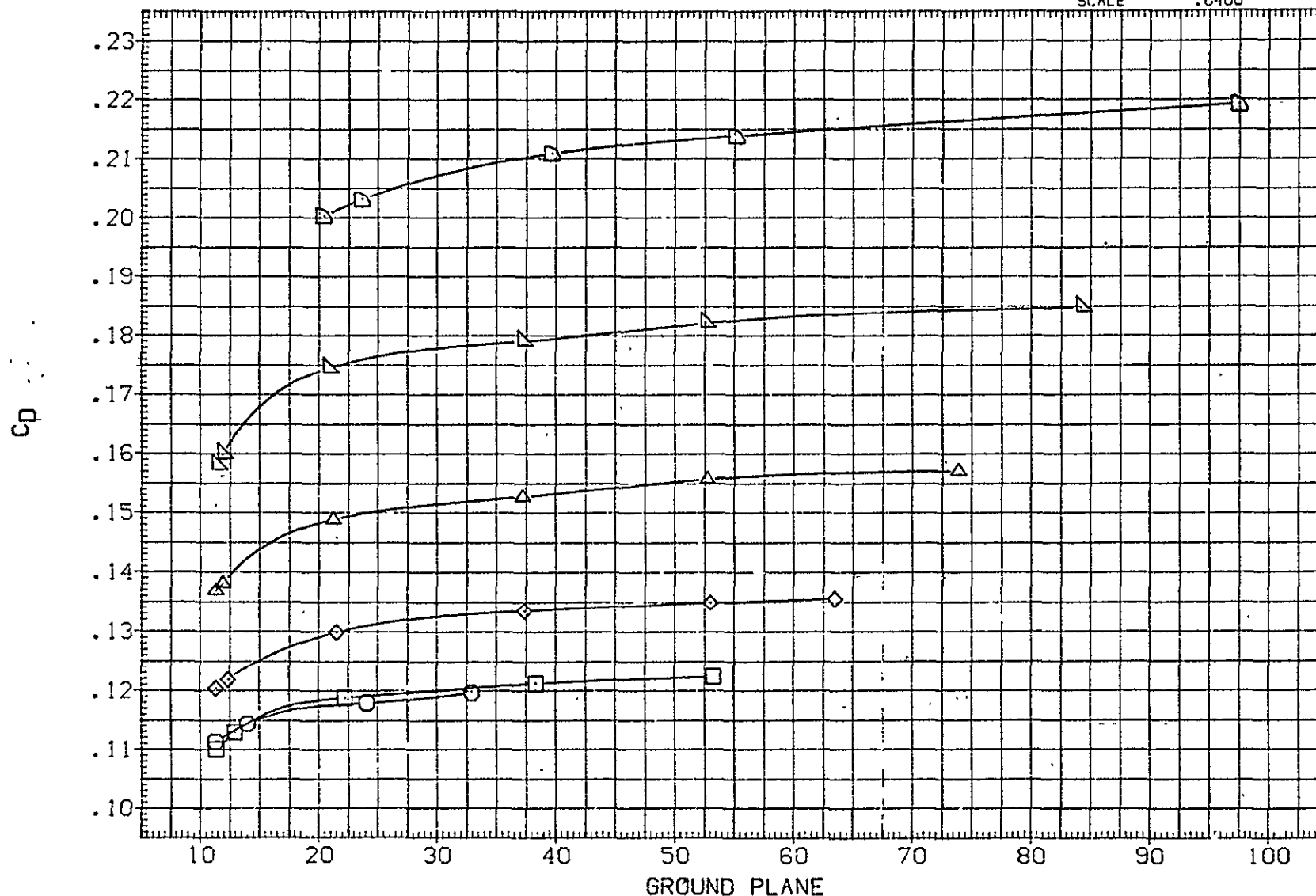


FIG 102 FERRY CON. IN GROUND PROXIMITY, STAB = -2, FLAPS 20, IORB=6, TC ON
MAIN BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(RJF470)	○	(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5	.211	6.000	-11.700	-5.000	SREF	5500.0000	50. FT.
(RJF471)	□	(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5	4.154	6.000	-11.700	-5.000	LREF	327.8000	IN.
(RJF472)	◇	(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5	6.134	6.000	-11.700	-5.000	BREF	2348.0000	IN.
(RJF473)	△	(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5	8.145	6.000	-11.700	-5.000	XMRP	1339.9100	IN. XC
(RJF474)	▽	(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5	10.110	6.000	-11.700	-5.000	YMRP	.0000	IN. YC
(RJF475)	◁	(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5	12.143	6.000	-11.700	-5.000	ZMRP	190.7500	IN. ZC
							SCALE	.0400	

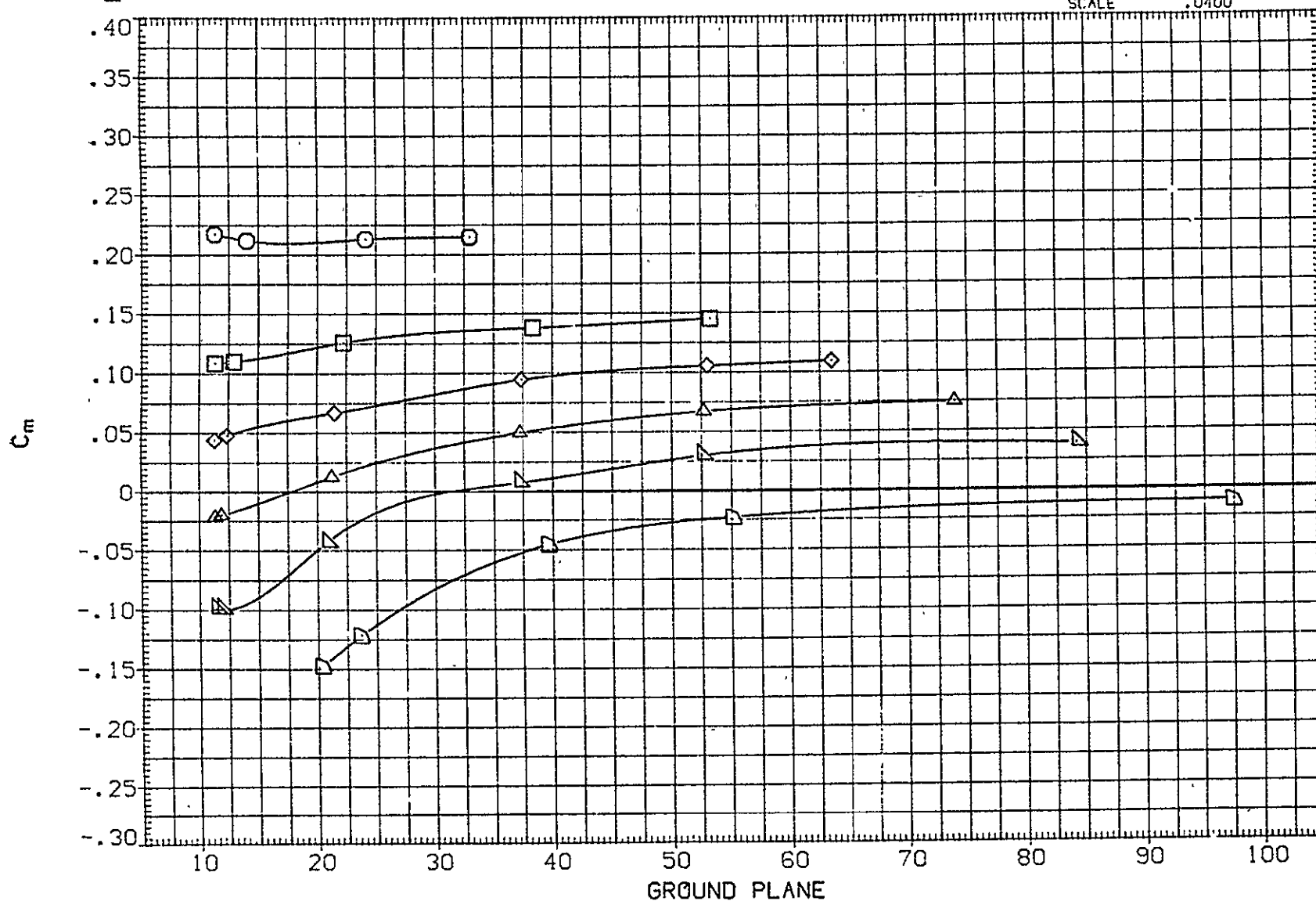


FIG 102 FERRY CON. IN GROUND PROXIMITY, STAB = -2, FLAPS 20, IORB=6, TC ON
MAIN BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(RJF488)	□	(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5	.166	6.000	-11.700	-5.000	SREF	5500.0000	50.FT.
(RJF489)	○	(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5	4.115	6.000	-11.700	-5.000	LREF	327.8000	IN.
(RJF490)	△	(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5	6.174	6.000	-11.700	-5.000	BREF	2348.0000	IN.
(RJF491)	◇	(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5	8.145	6.000	-11.700	-5.000	XMRP	1339.9100	IN.XC
(RJF492)	▽	(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5	10.122	6.000	-11.700	-5.000	YMRP	.0000	IN.YC
(RJF493)	◻	(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5	12.184	6.000	-11.700	-5.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

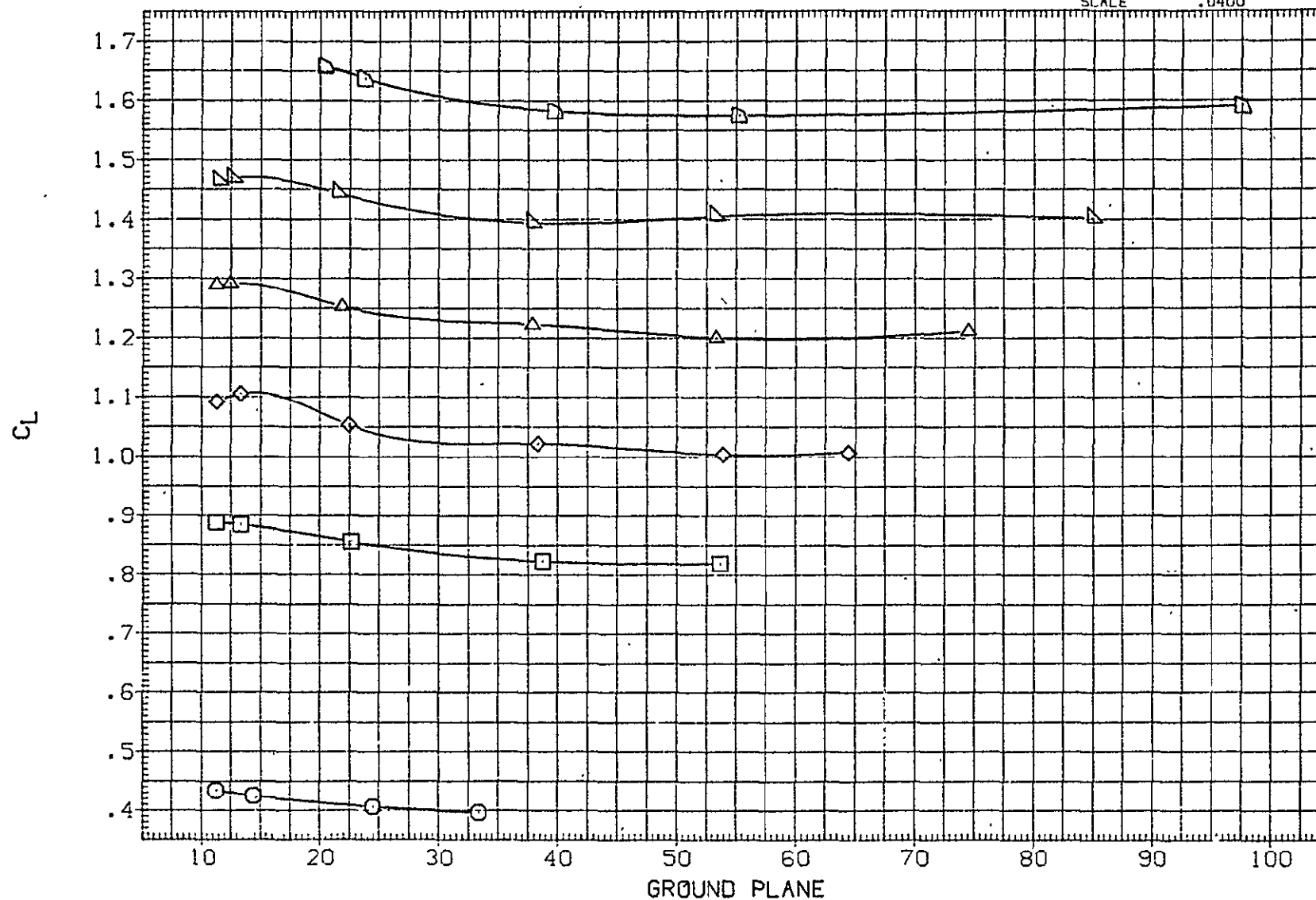


FIG 103 FERRY CON. IN GROUND PROXIMITY. STAB = 0. ELEVTR= 17. IORB=6. TC ON
MAIN BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(RJF488)	○	(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5	.166	6.000	-11.700	-5.000	SREF	5500.0000	SQ.FT.
(RJF489)	□	(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5	4.115	6.000	-11.700	-5.000	LREF	327.8000	IN.
(RJF490)	◇	(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5	6.174	6.000	-11.700	-5.000	BREF	2348.0000	IN.
(RJF491)	△	(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5	8.145	6.000	-11.700	-5.000	XMRP	1339.9100	IN.XC
(RJF492)	▽	(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5	10.122	6.000	-11.700	-5.000	YMRP	.0000	IN.YC
(RJF493)	◻	(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5	12.184	6.000	-11.700	-5.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

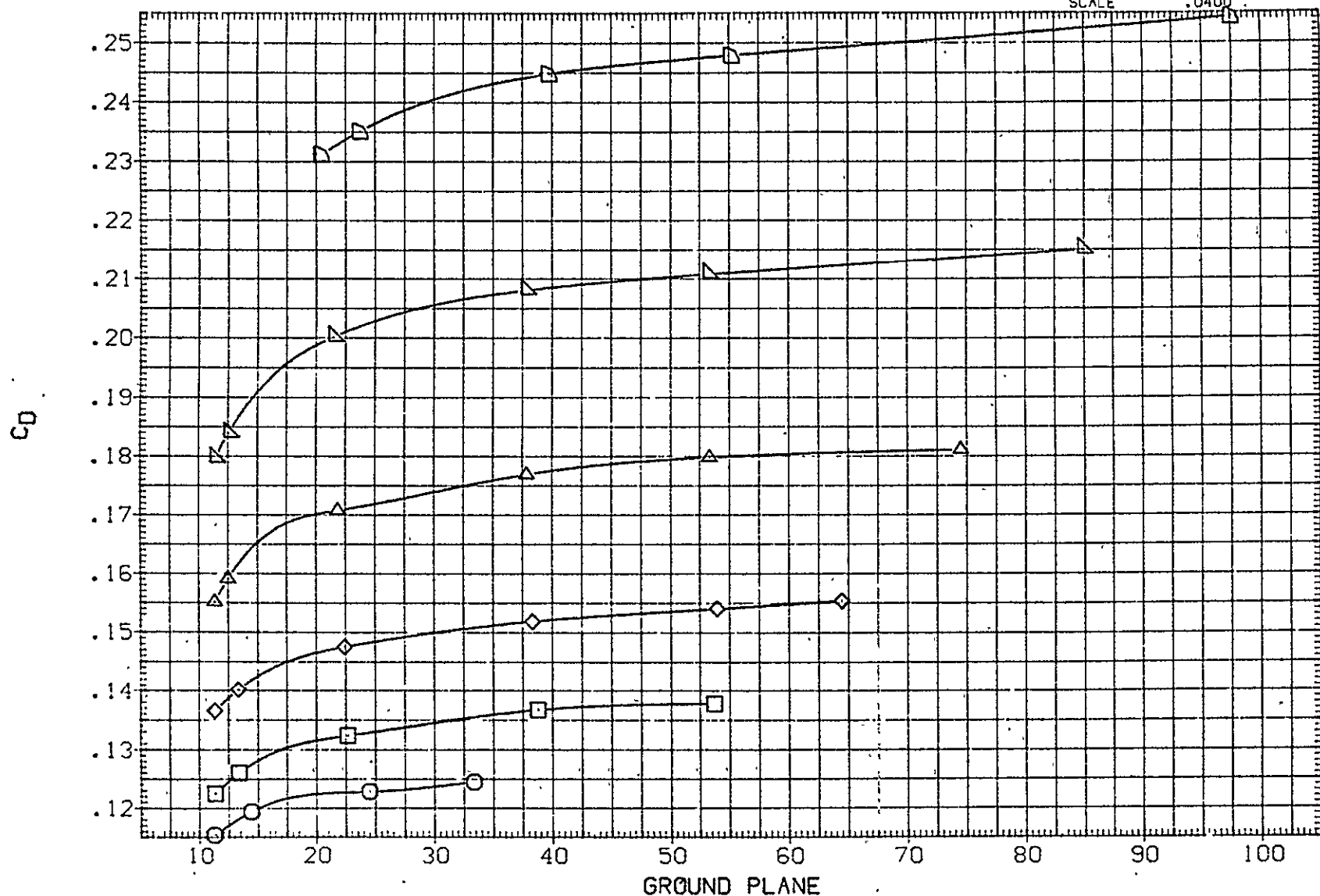


FIG 103 FERRY CON. IN GROUND PROXIMITY, STAB = 0, ELEVTR= 17, IORB=6, TC ON
MAIN BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	IORB	BOFLAP	ELEVON	REFERENCE INFORMATION		
(RJF488)	○	(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5	.166	6.000	-11.700	-5.000	SREF	5500.0000	SQ.FT.
(RJF489)	□	(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5	4.115	6.000	-11.700	-5.000	LREF	327.8000	IN.
(RJF490)	◇	(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5	6.174	6.000	-11.700	-5.000	BREF	2348.0000	IN.
(RJF491)	△	(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5	8.145	6.000	-11.700	-5.000	XMRP	1339.9100	IN.XC
(RJF492)	▽	(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5	10.122	6.000	-11.700	-5.000	YMRP	.0000	IN.YC
(RJF493)	◊	(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5	12.184	6.000	-11.700	-5.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

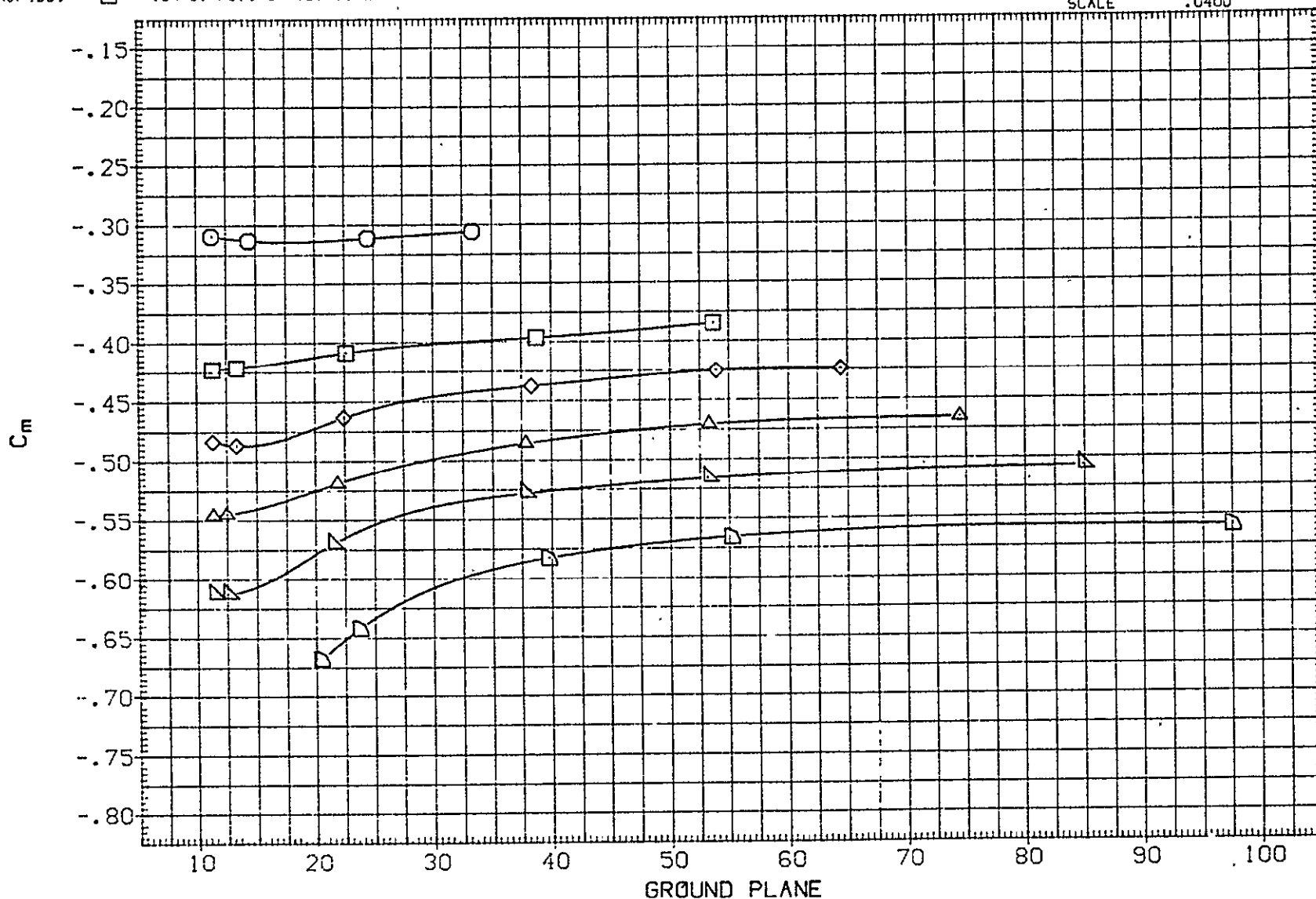


FIG 103 FERRY CON. IN GROUND PROXIMITY, STAB = 0, ELEVTR= 17, IORB=6, TC ON
MAIN BALANCE DATA-GP SWEEPS

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BIDFLAP	ELEVON	REFERENCE INFORMATION		
(RJF494)	○	(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5	.161	6.000	-11.700	-5.000	SREF	5500.0000	50. FT.
(RJF495)	□	(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5	4.131	6.000	-11.700	-5.000	LREF	327.8000	IN.
(RJF496)	◇	(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5	6.129	6.000	-11.700	-5.000	BREF	2348.0000	IN.
(RJF497)	△	(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5	8.125	6.000	-11.700	-5.000	XMRP	1339.9100	IN. XC
(RJF498)	▽	(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5	10.133	6.000	-11.700	-5.000	YMPP	.0000	IN. YC
(RJF499)	◻	(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5	12.146	6.000	-11.700	-5.000	ZMRP	190.7500	IN. ZC
							SCALE	.0400	

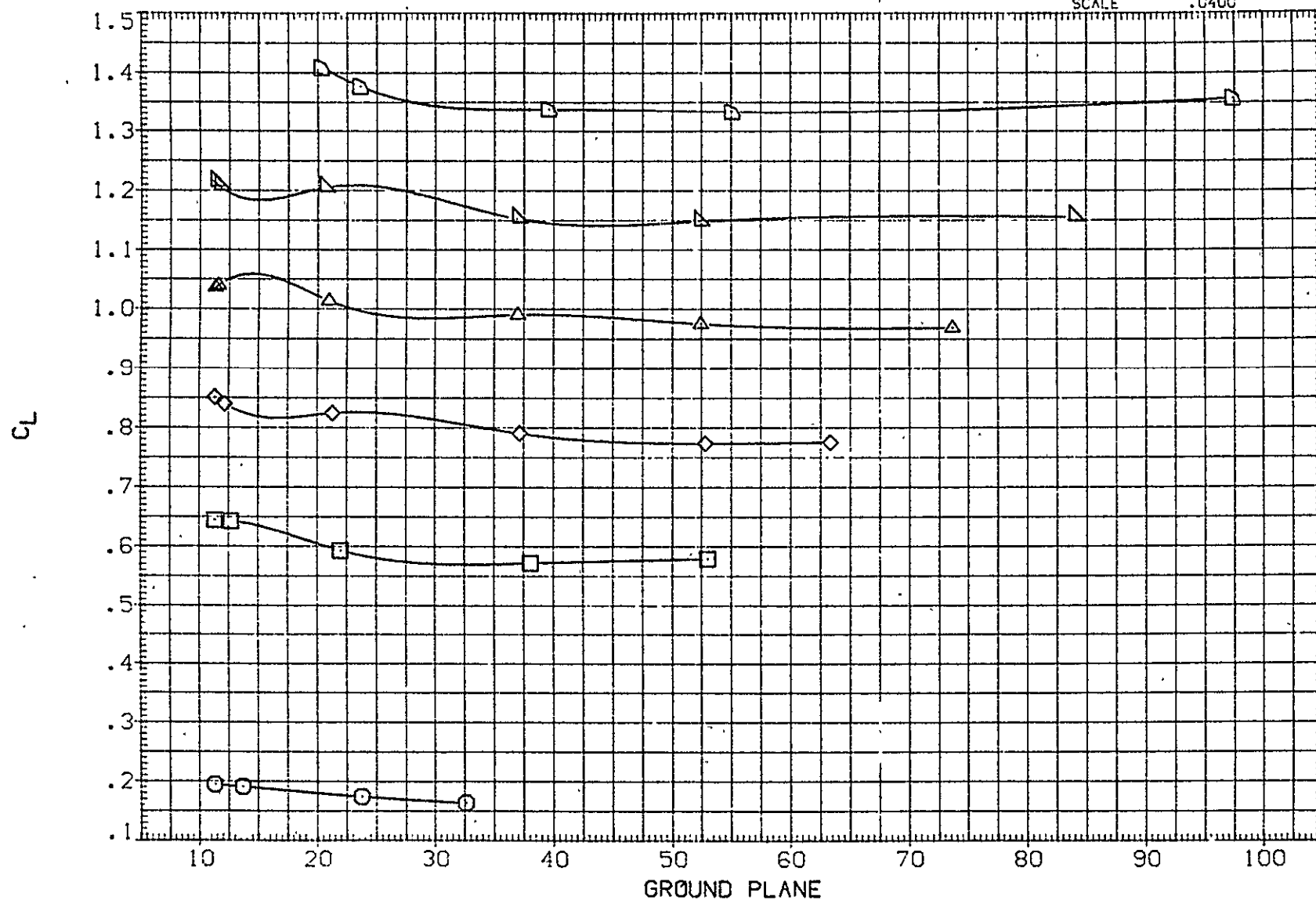


FIG 104 FERRY CON. IN GROUND PROXIMITY. STAB = 0, ELEVTR=-23, IORB=6, TC ON
MAIN BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA _W	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(RJF494)	□	(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5	.161	6.000	-11.700	-5.000	SREF	5500.0000	SG.FT.
(RJF495)	○	(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5	4.131	6.000	-11.700	-5.000	LREF	327.8000	IN.
(RJF496)	×	(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5	6.129	6.000	-11.700	-5.000	BREF	2348.0000	IN.
(RJF497)	△	(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5	8.125	6.000	-11.700	-5.000	XMPP	1339.9100	IN.XC
(RJF498)	▽	(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5	10.133	6.000	-11.700	-5.000	YMRP	.0000	IN.YC
(RJF499)	◇	(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5	12.146	6.000	-11.700	-5.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

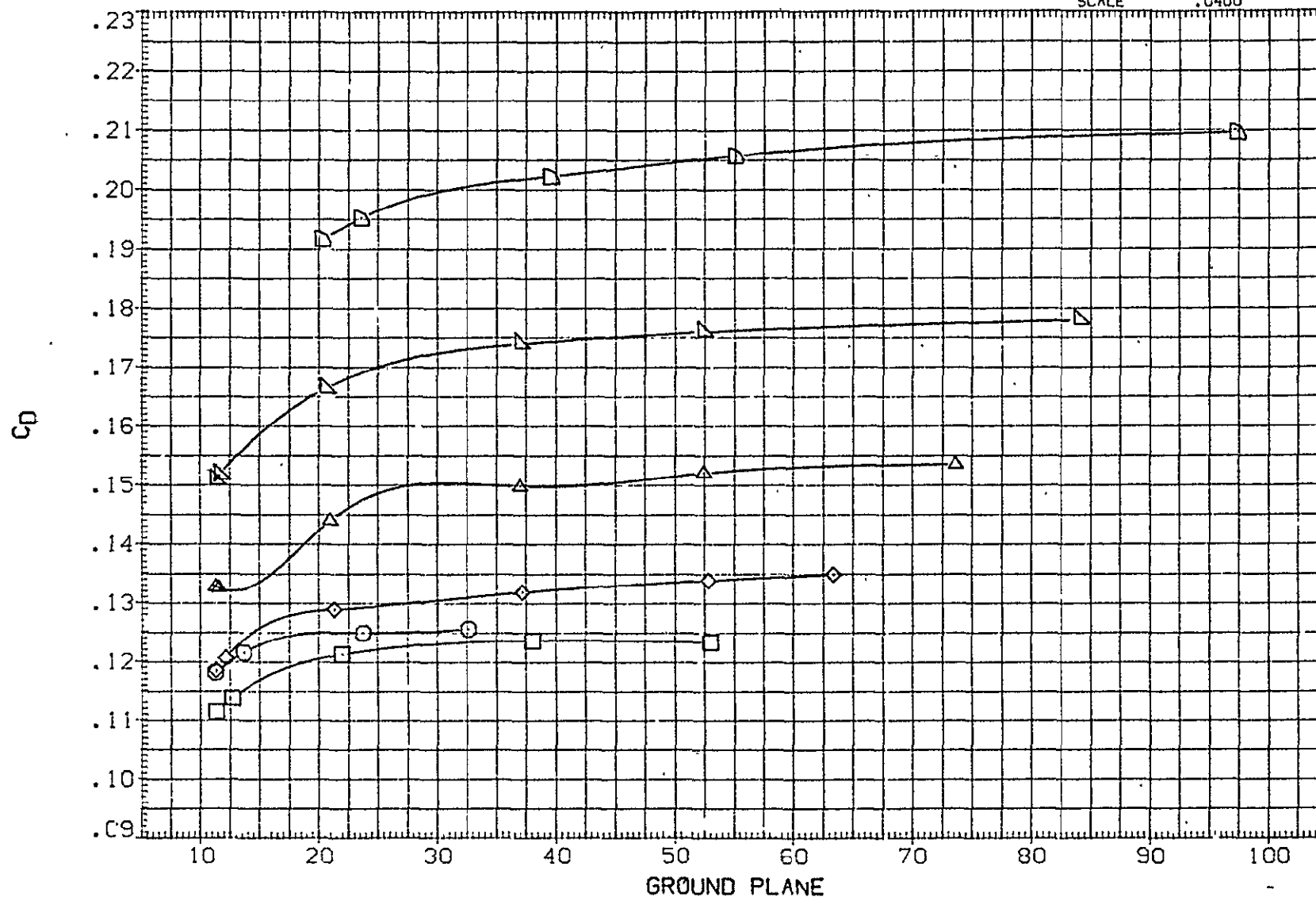


FIG 104 FERRY CON. IN GROUND PROXIMITY, STAB = 0, ELEVTR=-23, IORB=6, TC ON
MAIN BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(RJF494)	○	(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5	.161	6.000	-11.700	-5.000	SREF	5500.0000	SQ.FT.
(RJF495)	□	(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5	4.131	6.000	-11.700	-5.000	LREF	327.8000	IN.
(RJF496)	◇	(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5	6.129	6.000	-11.700	-5.000	BREF	2348.0000	IN.
(RJF497)	△	(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5	8.125	6.000	-11.700	-5.000	XMPP	1339.9100	IN.XC
(RJF498)	▽	(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5	10.133	6.000	-11.700	-5.000	YMPP	.0000	IN.YC
(RJF499)	◻	(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5	12.146	6.000	-11.700	-5.000	ZMPP	190.7500	IN.ZC
							SCALE	.0400	

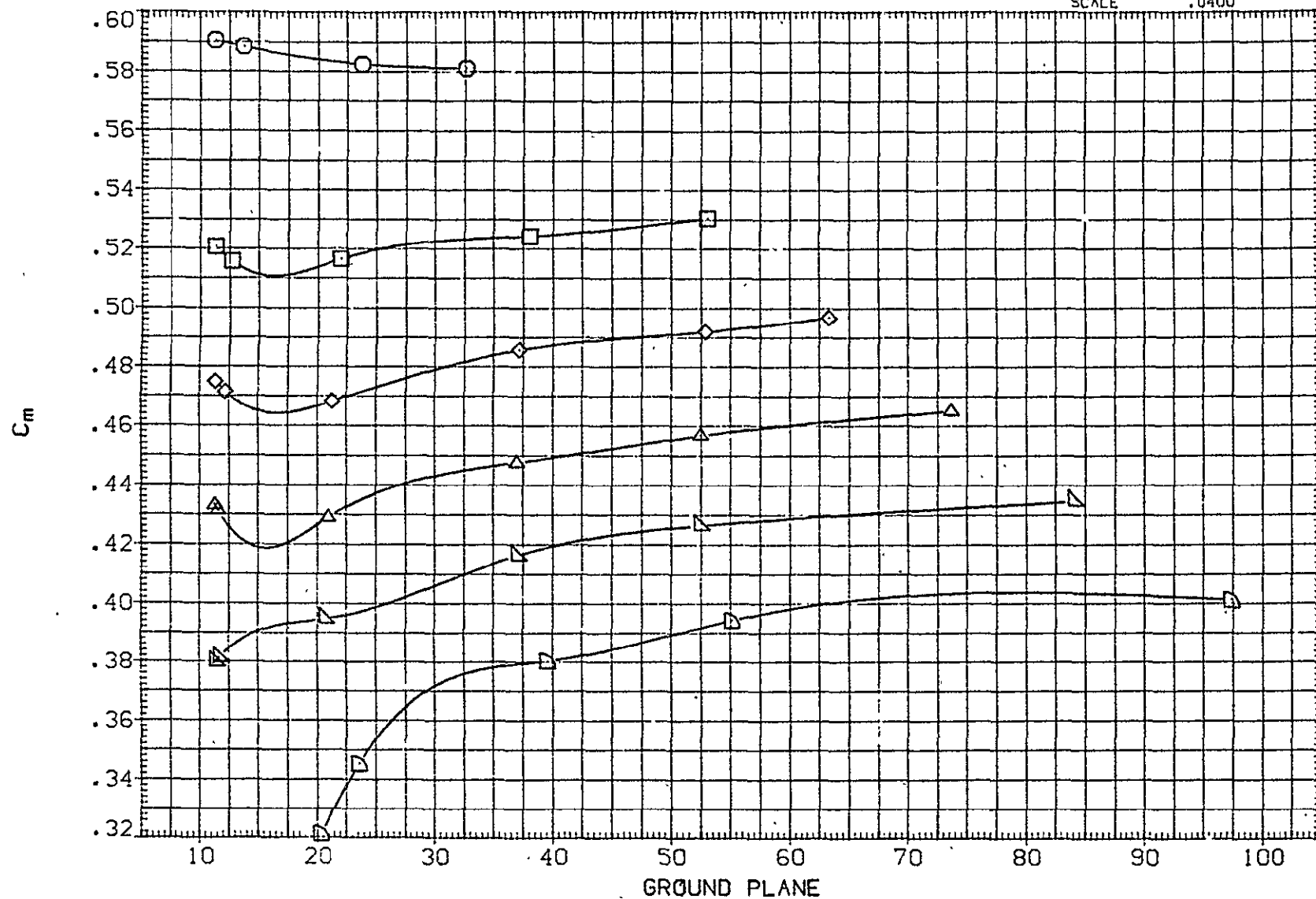


FIG 104 FERRY CON. IN GROUND PROXIMITY, STAB = 0, ELEVTR=-23, IORB=6, TC ON
MAIN BALANCE DATA-GP SWEEPS

(A)MACH = .15

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DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(RJF351)	□	(CA-8) K3.1TS7 F10TS402G5.3.5	.239	6.000	.000	-5.000	SREF	5500.0000	50.FT.
(RJF352)	◇	(CA-8) K3.1TS7 F10TS402G5.3.5	4.108	6.000	.000	-5.000	LREF	327.8000	IN.
(RJF353)	◇	(CA-8) K3.1TS7 F10TS402G5.3.5	6.177	6.000	.000	-5.000	BREF	2348.0000	IN.
(RJF354)	△	(CA-8) K3.1TS7 F10TS402G5.3.5	8.175	6.000	.000	-5.000	XMRP	1339.9100	IN.XC
(RJF355)	△	(CA-8) K3.1TS7 F10TS402G5.3.5	10.215	6.000	.000	-5.000	YMRP	.0000	IN.YC
(RJF356)	△	(CA-8) K3.1TS7 F10TS402G5.3.5	12.152	6.000	.000	-5.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

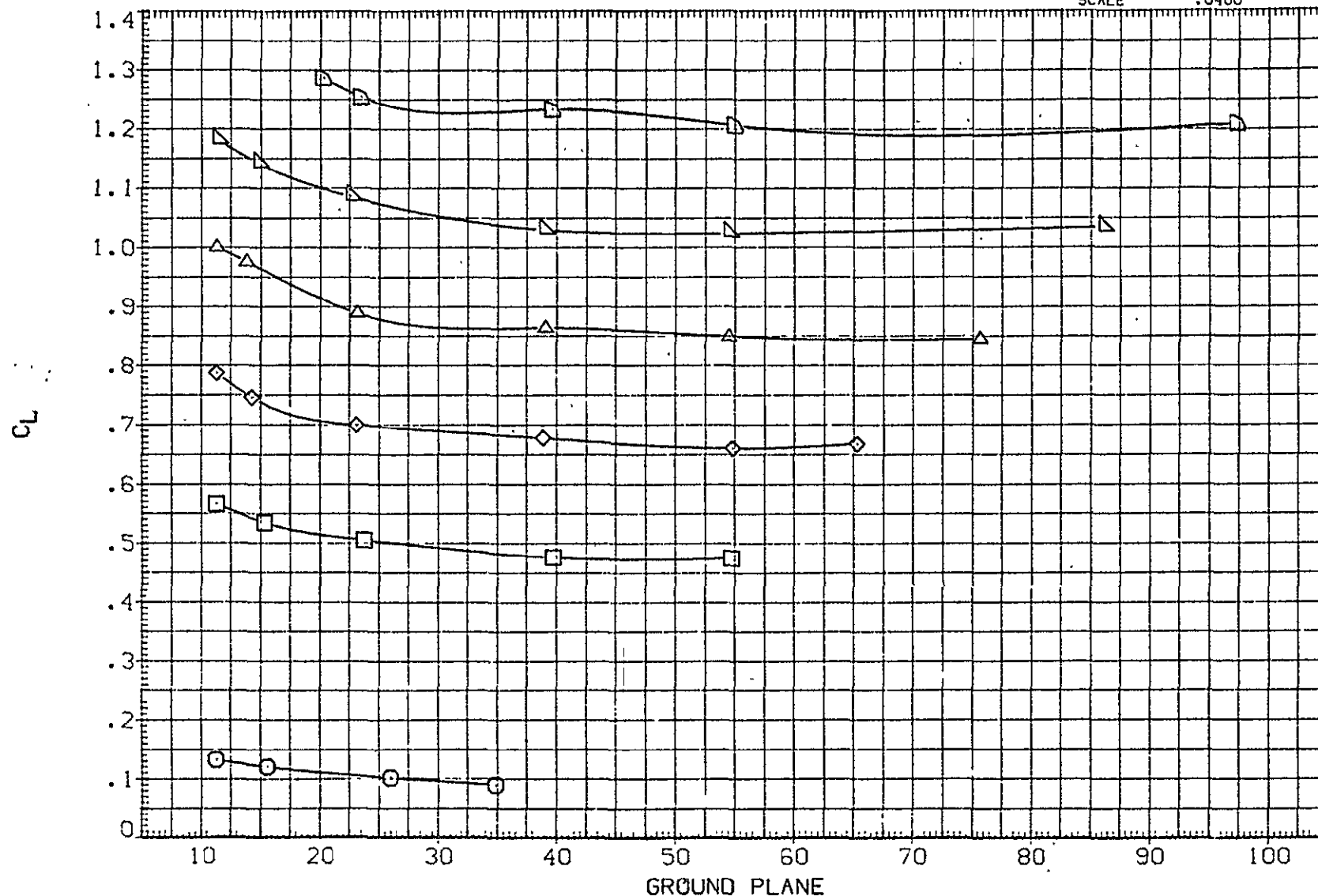


FIG 105 ALT CONFIG IN GROUND PROXIMITY. HORIZ OFF, FLAPS 10, IORB=6, TC OFF
MAIN BALANCE DATA-GP SWEEPS, WITH SUCTION PUMP.

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(RJF351)	□	(CA-8) K3.1TS7 F10TS40265.3.5	.239	6.000	.000	-5.000	SREF	5500.0000	SQ.FT.
(RJF352)	◇	(CA-8) K3.1TS7 F10TS40265.3.5	4.108	6.000	.000	-5.000	LREF	327.8000	IN.
(RJF353)	◇	(CA-8) K3.1TS7 F10TS40265.3.5	6.177	6.000	.000	-5.000	BREF	2348.0000	IN.
(RJF354)	△	(CA-8) K3.1TS7 F10TS40265.3.5	8.175	6.000	.000	-5.000	XMRP	1339.9100	IN.XC
(RJF355)	△	(CA-8) K3.1TS7 F10TS40265.3.5	10.215	6.000	.000	-5.000	YMRP	.0300	IN.YC
(RJF356)	△	(CA-8) K3.1TS7 F10TS40265.3.5	12.152	6.000	.000	-5.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

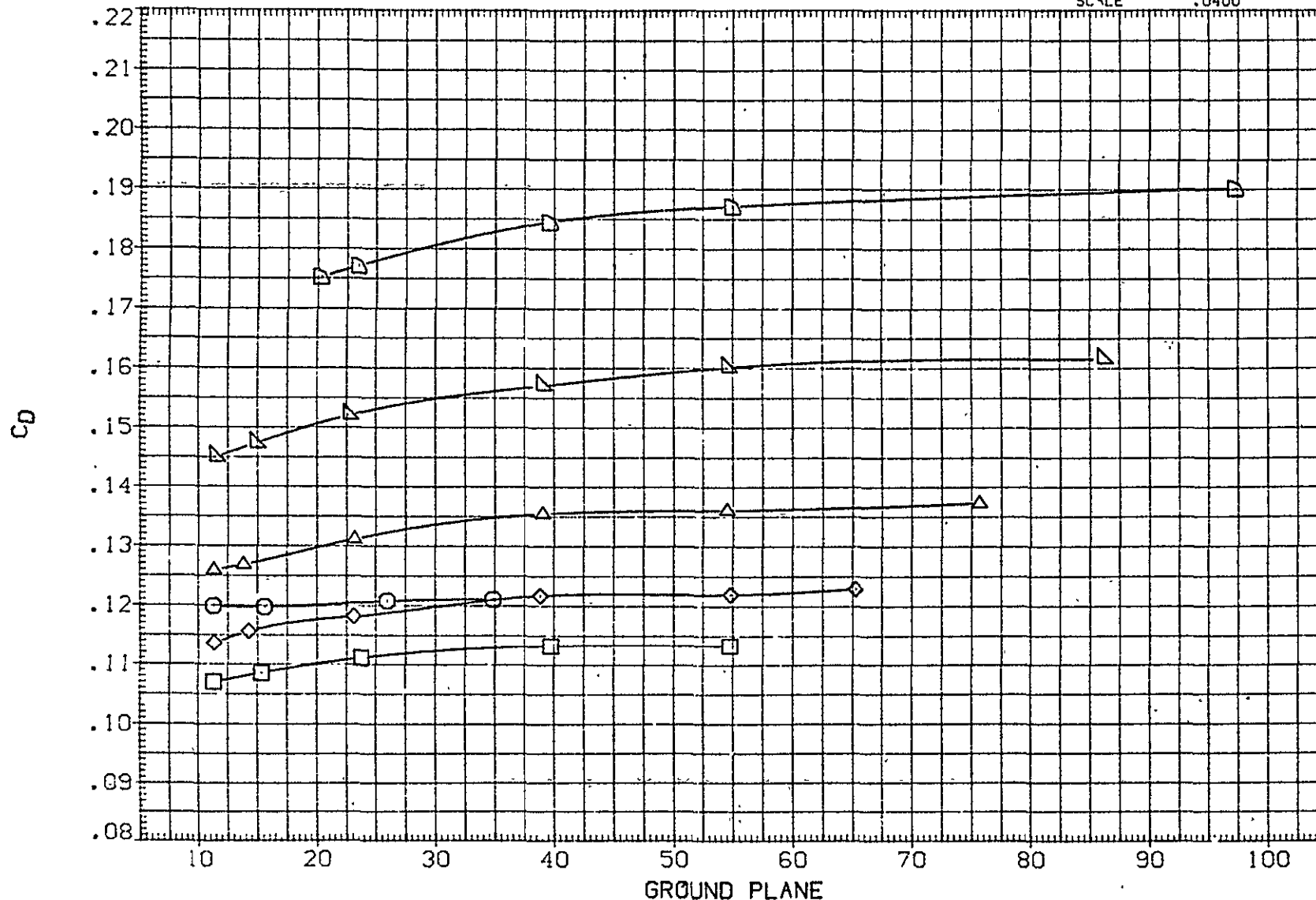


FIG 105 ALT CONFIG IN GROUND PROXIMITY, HORIZ OFF, FLAPS 10, IORB=6, TC OFF
MAIN BALANCE DATA-GP SWEEPS, WITH SUCTION PUMP

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BOFLAP	ELEVON	REFERENCE INFORMATION		
(RJF351)	□	(CA-8) K3.1TS7 F10TS40265.3.5	.239	6.000	.000	-5.000	SREF	5500.0000	50.FT.
(RJF352)	○	(CA-8) K3.1TS7 F10TS40265.3.5	4.108	6.000	.000	-5.000	LREF	327.8000	IN.
(RJF353)	◇	(CA-8) K3.1TS7 F10TS40265.3.5	6.177	6.000	.000	-5.000	BREF	2348.0000	IN.
(RJF354)	△	(CA-8) K3.1TS7 F10TS40265.3.5	8.175	6.000	.000	-5.000	XMRP	1339.9100	IN.XC
(RJF355)	▽	(CA-8) K3.1TS7 F10TS40265.3.5	10.215	6.000	.000	-5.000	YMRP	.0000	IN.YC
(RJF356)	◻	(CA-8) K3.1TS7 F10TS40265.3.5	12.152	6.000	.000	-5.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

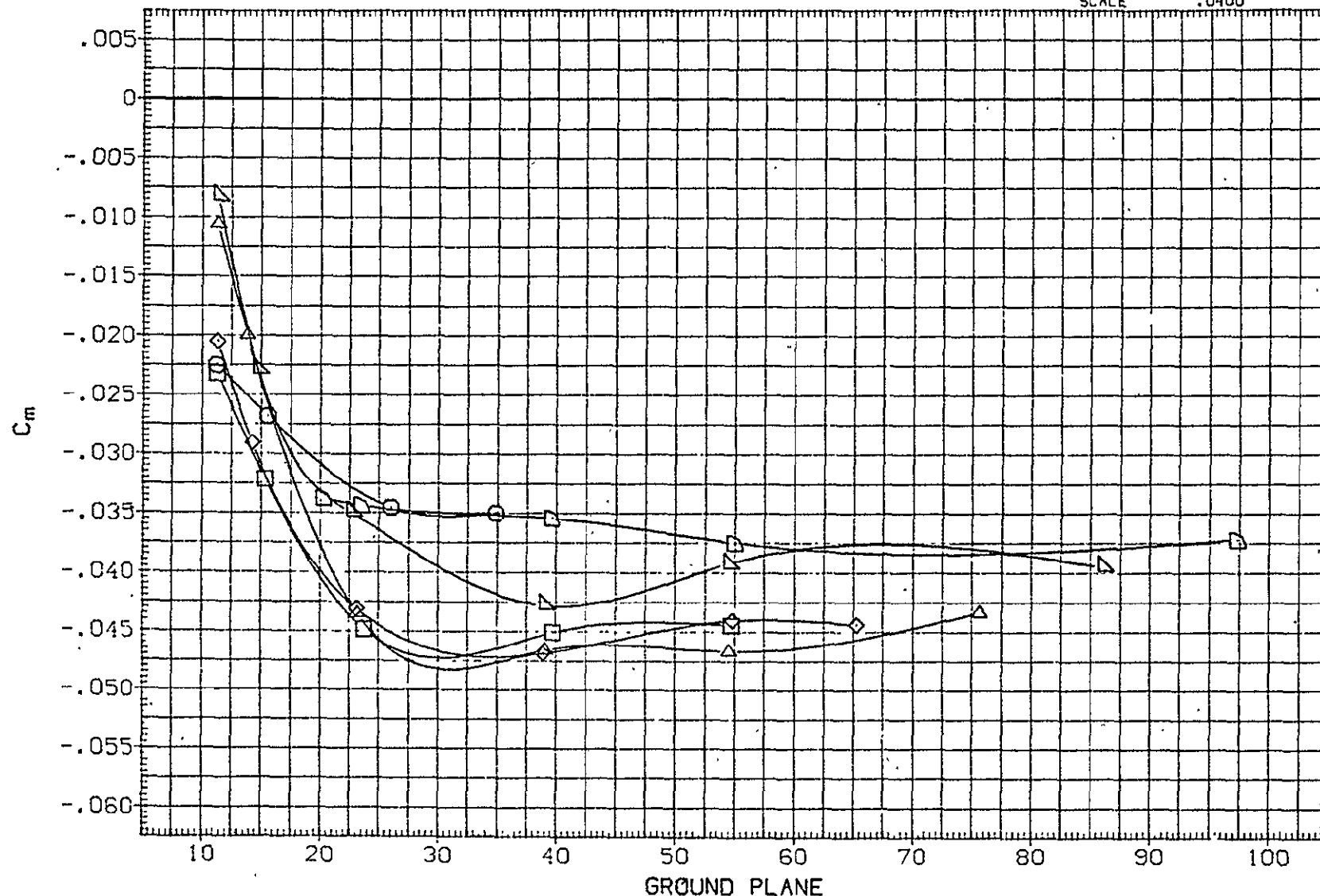


FIG 105 ALT CONFIG IN GROUND PROXIMITY, HORIZ OFF, FLAPS 10. IORB=6. TC OFF
 MAIN BALANCE DATA-GP SWEEPS. WITH SUCTION PUMP

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(RJF345)	□	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	.142	6.000	.000	-5.000	SREF	5500.0000	SO.FT.
(RJF346)	□	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	4.102	6.000	.000	-5.000	LREF	327.8000	IN.
(RJF347)	◇	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	6.145	6.000	.000	-5.000	BREF	2348.0000	IN.
(RJF348)	△	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	8.104	6.000	.000	-5.000	XMRP	1339.9100	IN.XC
(RJF349)	△	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	10.197	6.000	.000	-5.000	YMRP	.0000	IN.YC
(RJF350)	△	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	12.193	6.000	.000	-5.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

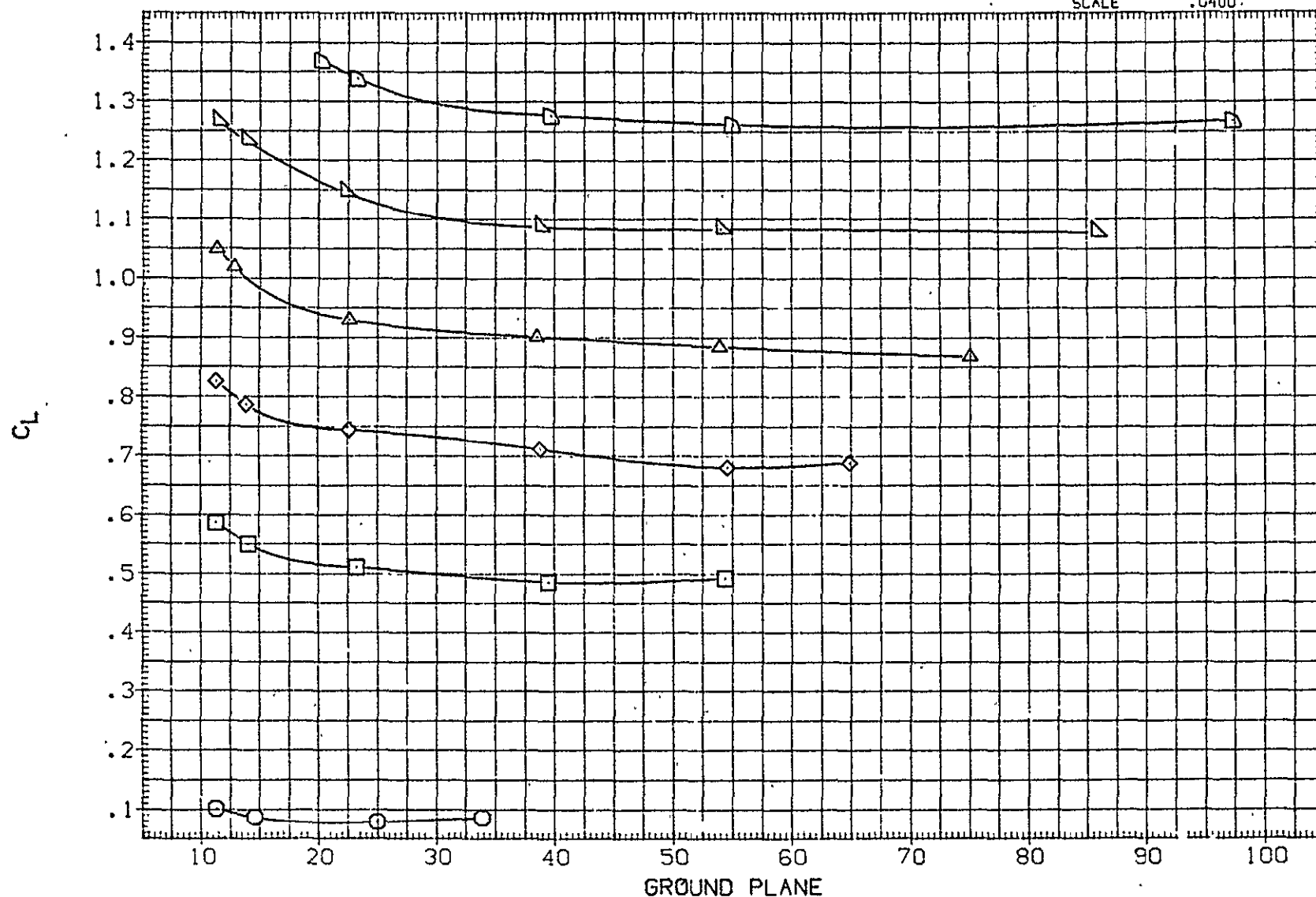


FIG 1C3 ALT CONFIG IN GROUND PROXIMITY, STAB = 4, FLAPS 10, IORB=6, TC OFF
MAIN BALANCE DATA-GP SWEEPS, WITH SUCTION PUMP

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(RJF345)	□	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	.142	6.000	.000	-5.000	SREF	5500.0000	SQ.FT.
(RJF346)	○	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	4.102	6.000	.000	-5.000	LREF	327.8000	IN.
(RJF347)	△	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	6.145	6.000	.000	-5.000	BREF	2348.0000	IN.
(RJF348)	▽	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	8.104	6.000	.000	-5.000	XMRP	1339.9100	IN.XC
(RJF349)	◇	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	10.197	6.000	.000	-5.000	YMRP	.0000	IN.YC
(RJF350)	◻	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	12.193	6.000	.000	-5.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

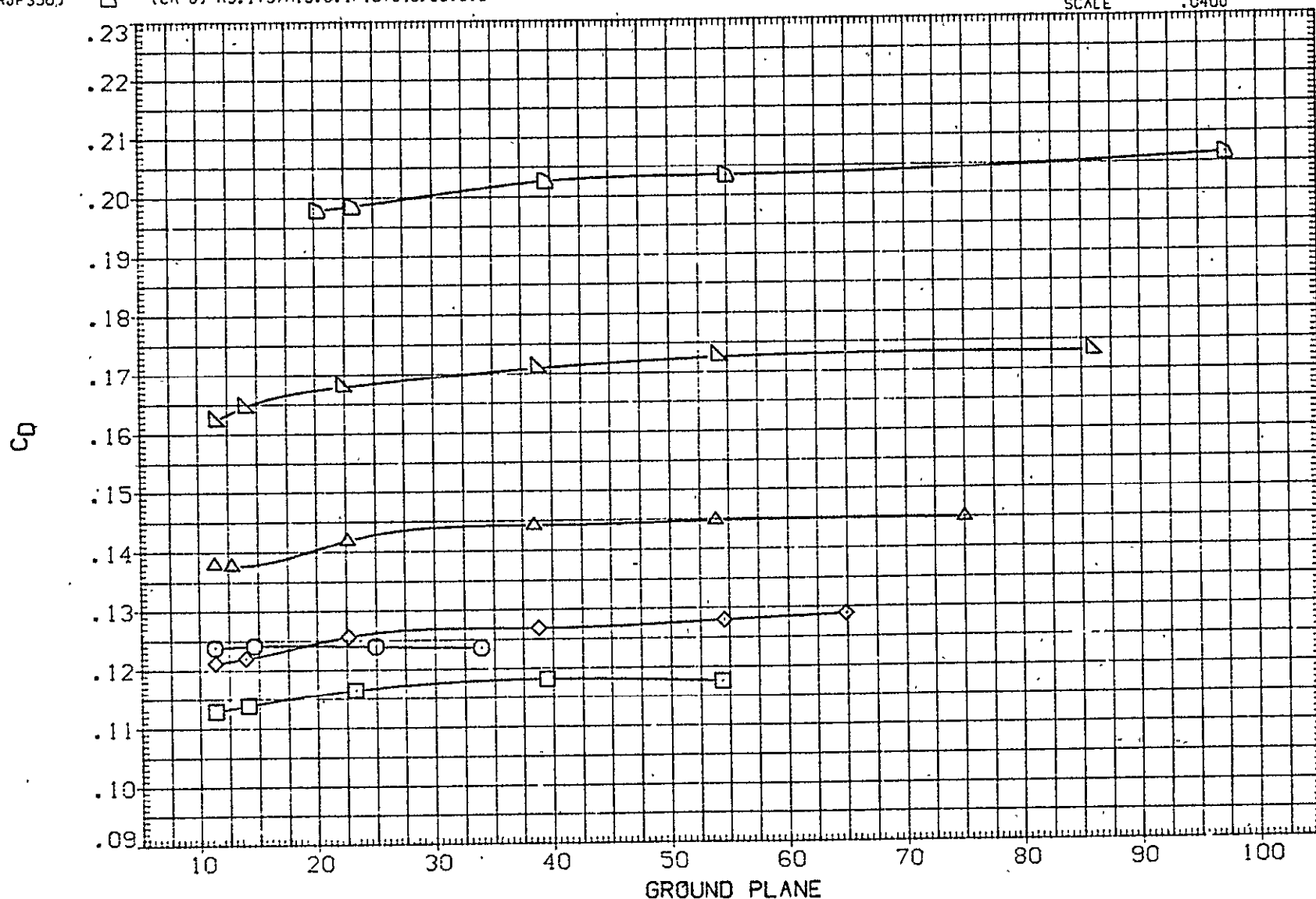


FIG 106 ALT CONFIG IN GROUND PROXIMITY, STAB = 4, FLAPS 10, IORB=6, TC OFF
MAIN BALANCE DATA-GP SWEEPS, WITH SUCTION PUMP

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	ICRB	BCFLAP	ELEVON	REFERENCE INFORMATION		
(RJF345)	○	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	.142	6.000	.000	-5.000	SREF	5500.0000	50.FT.
(RJF346)	□	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	4.102	6.000	.000	-5.000	LREF	327.8000	IN.
(RJF347)	◇	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	6.145	6.000	.000	-5.000	BREF	2348.0000	IN.
(RJF348)	△	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	8.104	6.000	.000	-5.000	XMRP	1339.9100	IN.XC
(RJF349)	▽	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	10.197	6.000	.000	-5.000	YMRP	.0000	IN.YC
(RJF350)	◁	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	12.193	6.000	.000	-5.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

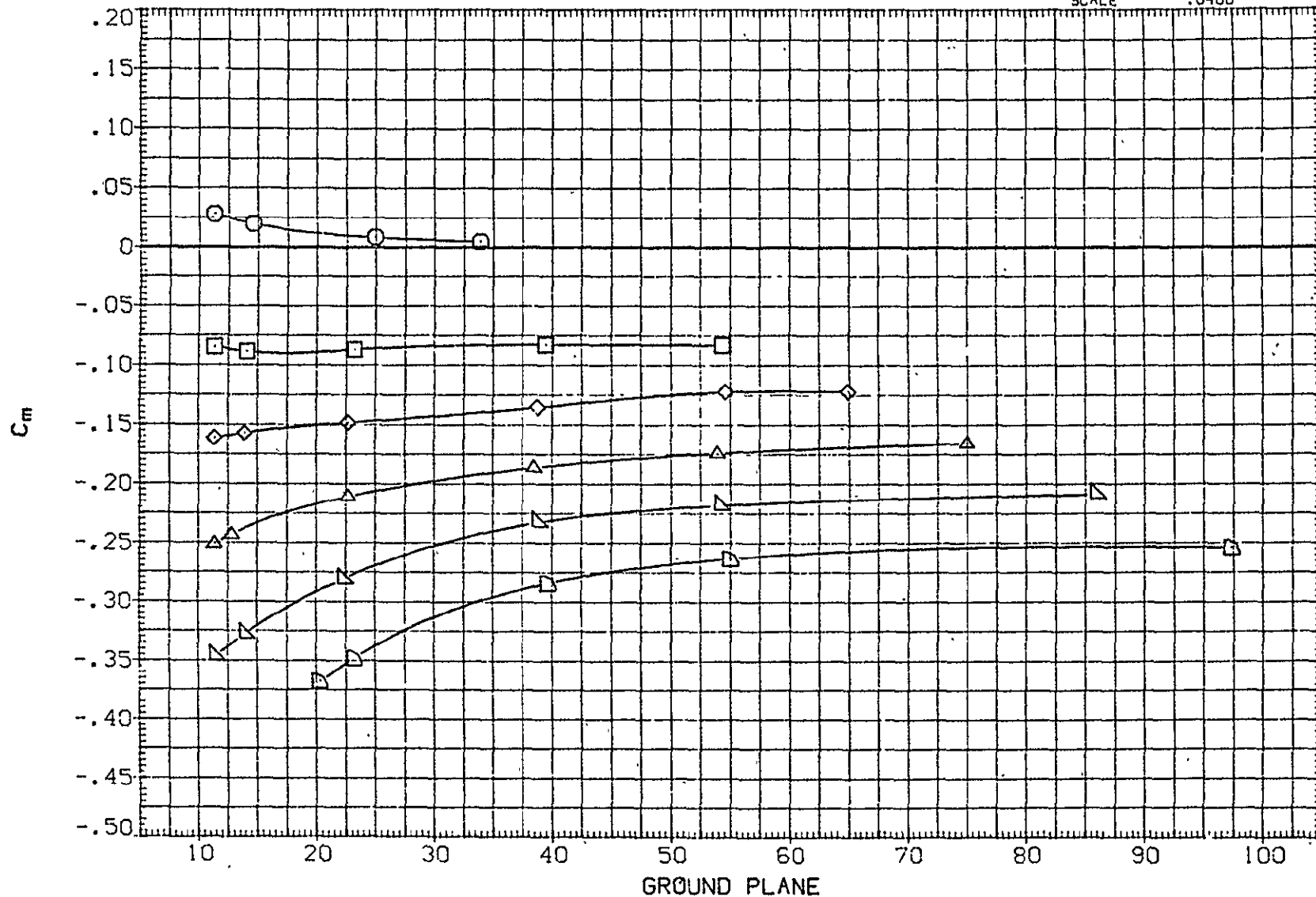


FIG 106 ALT CONFIG IN GROUND PROXIMITY, STAB = 4, FLAPS 10, ICRB=6, TC OFF
MAIN BALANCE DATA-GP SWEEPS, WITH SUCTION PUMP

(A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA W	IORB	BD FLAP	ELEVON	REFERENCE INFORMATION		
(RJF333)	○	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	.240	6.000	.000	-5.000	SREF	5500.0000	SQ.FT.
(RJF334)	□	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	4.003	6.000	.000	-5.000	LREF	327.8000	IN.
(RJF335)	◇	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	6.127	6.000	.000	-5.000	BREF	2348.0000	IN.
(RJF336)	△	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	8.113	6.000	.000	-5.000	XMRP	1339.9100	IN. XC
(RJF337)	▽	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	10.121	6.000	.000	-5.000	YMRP	.0000	IN. YC
(RJF338)	◻	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	12.123	6.000	.000	-5.000	ZMRP	190.7500	IN. ZC
							SCALE	.0400	

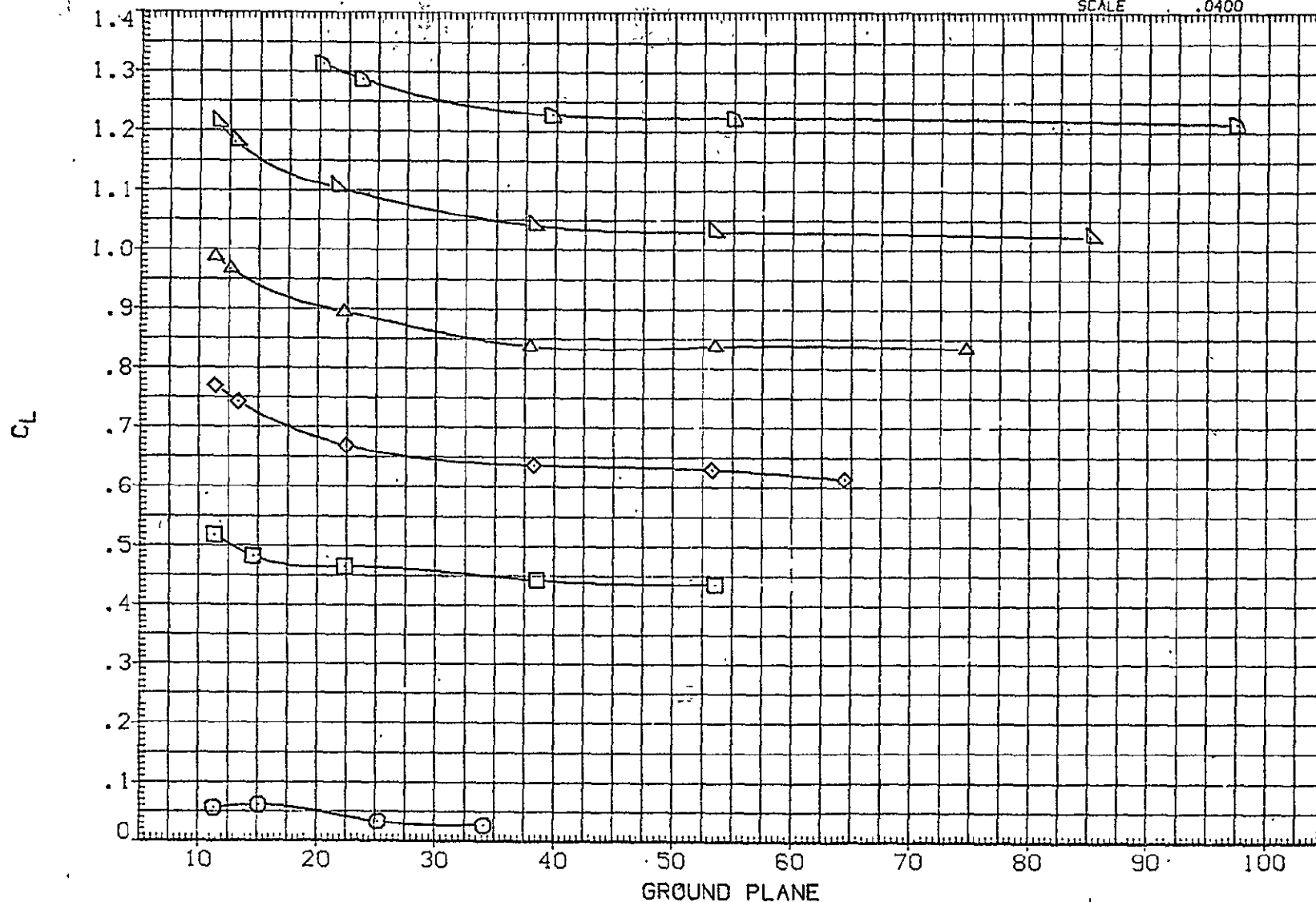


FIG 107 ALT. CONFIG IN GROUND PROXIMITY, STAB = 0, FLAPS 10, IORB=6, TC OFF
 MAIN BALANCE DATA-GP SWEEPS, WITH SUCTION PUMP

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(RJF333)	○	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	.240	6.000	.000	-5.000	SREF	5500.0000	SQ.FT.
(RJF334)	□	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	4.003	6.000	.000	-5.000	LREF	327.8000	IN.
(RJF335)	×	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	6.127	6.000	.000	-5.000	BREF	2348.0000	IN.
(RJF336)	△	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	8.113	6.000	.000	-5.000	XMRP	1339.9100	IN.YC
(RJF337)	▽	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	10.121	6.000	.000	-5.000	YMRP	.0000	IN.YC
(RJF338)	◇	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	12.123	6.000	.000	-5.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

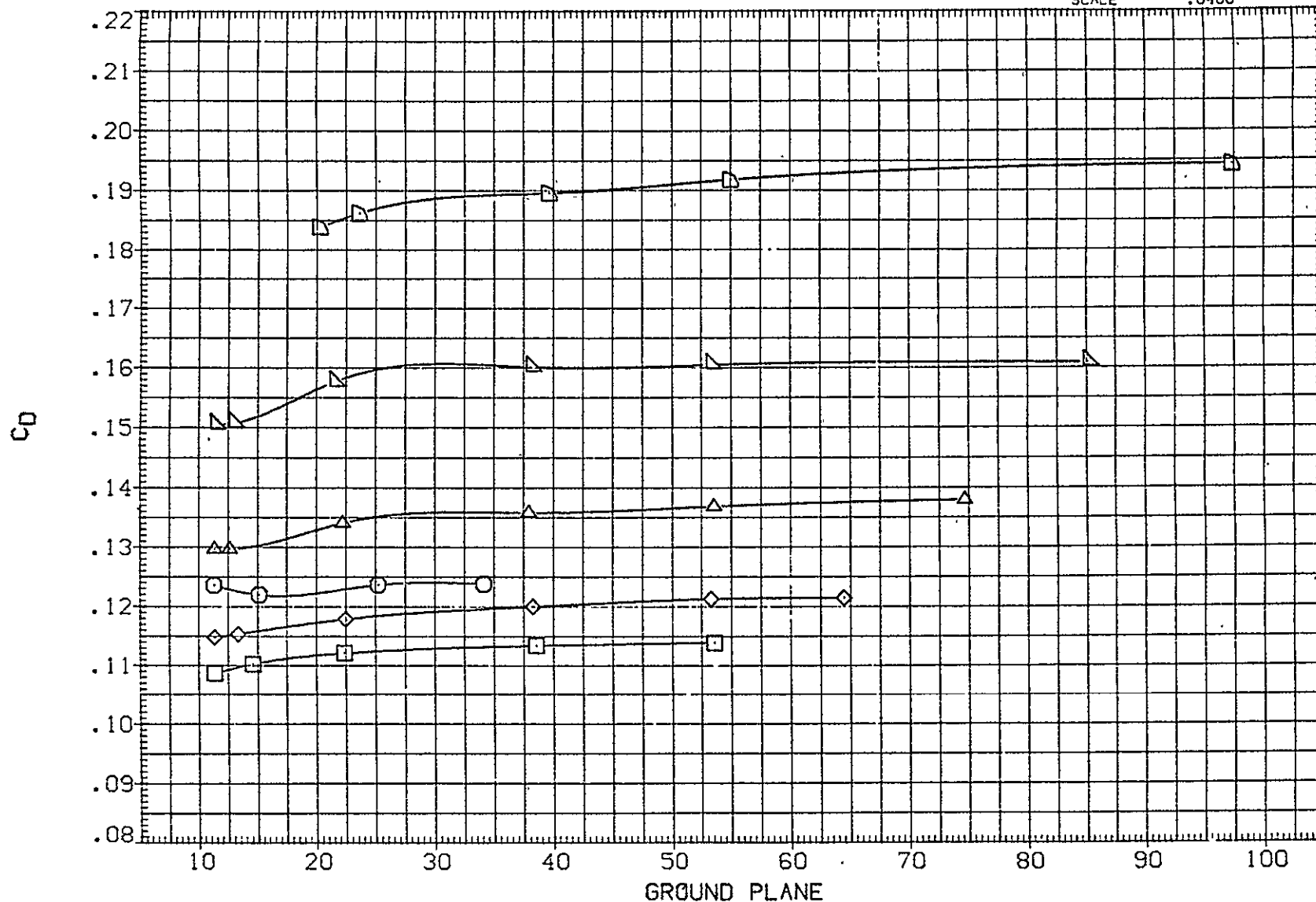


FIG 107 ALT CONFIG IN GROUND PROXIMITY, STAB = 0, FLAPS 10, IORB=6, TC OFF
MAIN BALANCE DATA-GP SWEEPS, WITH SUCTION PUMP

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(RJF333)	○	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	.240	6.000	.000	-5.000	SREF	5500.0000	SG.FT.
(RJF334)	□	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	4.003	6.000	.000	-5.000	LREF	327.8000	IN.
(RJF335)	◇	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	6.127	6.000	.000	-5.000	BREF	2348.0000	IN.
(RJF336)	△	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	8.113	6.000	.000	-5.000	XMRP	1339.9100	IN.XC
(RJF337)	▽	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	10.121	6.000	.000	-5.000	YMRP	.0000	IN.YC
(RJF338)	◁	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	12.123	6.000	.000	-5.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

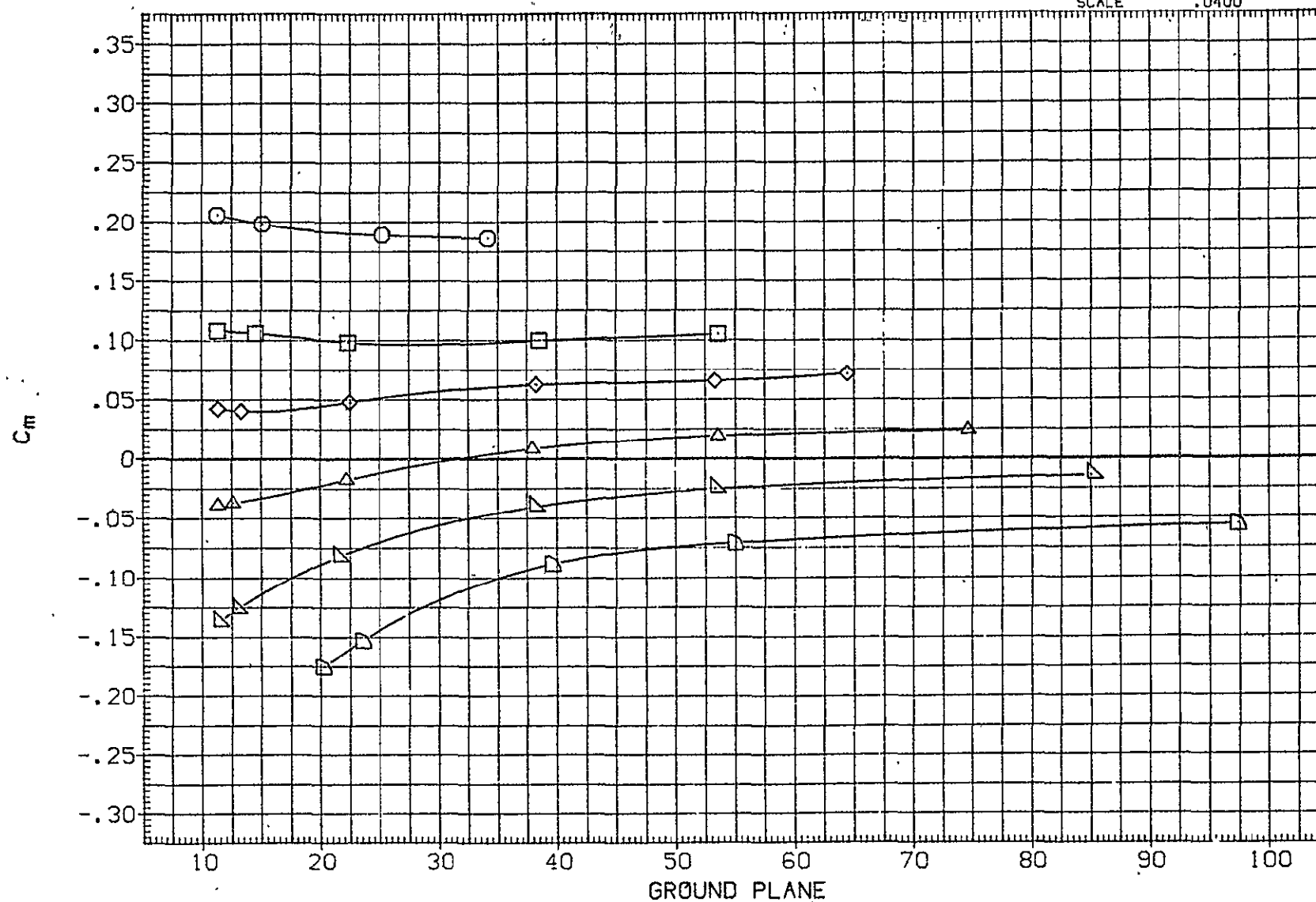


FIG 107 ALT CONFIG IN GROUND PROXIMITY, STAB = 0, FLAPS 10, IORB=6, TC OFF
 MAIN BALANCE DATA-GP SWEEPS, WITH SUCTION PUMP

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(RJF339)	○	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	.132	6.000	.000	-5.000	SREF	5500.0000	50.FT.
(RJF340)	□	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	4.180	6.000	.000	-5.000	LREF	327.8000	IN.
(RJF341)	◇	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	6.149	6.000	.000	-5.000	BREF	2348.0000	IN.
(RJF342)	△	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	8.123	6.000	.000	-5.000	XMRP	1339.9100	IN.XC
(RJF343)	▽	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	10.116	6.000	.000	-5.000	YMRP	.0000	IN.YC
(RJF344)	◻	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	12.139	6.000	.000	-5.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

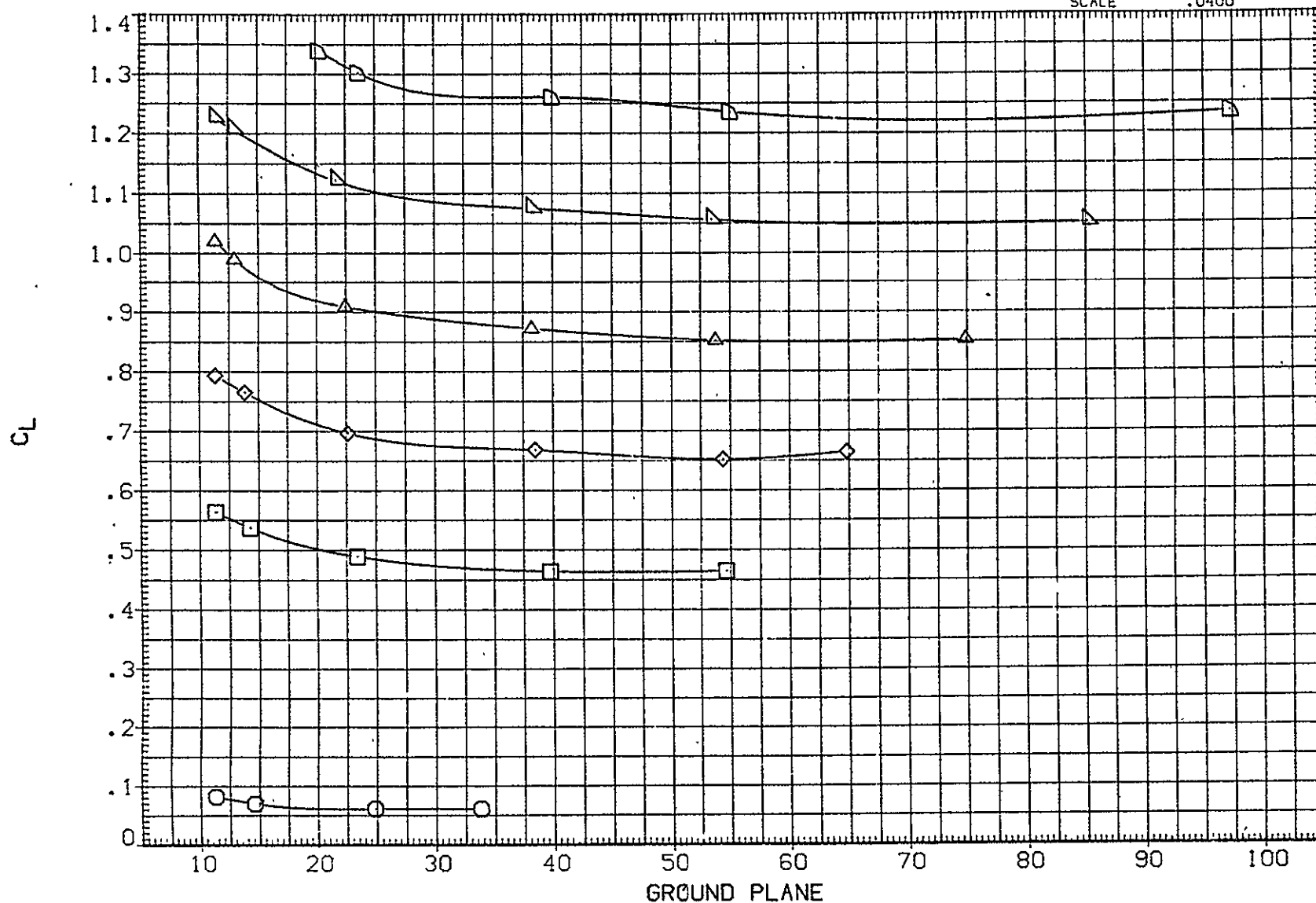


FIG 108 ALT CONFIG IN GROUND PROXIMITY, STAB = 2, FLAPS 10, IORB=6, TC OFF
MAIN BALANCE DATA-GP SWEEPS, WITH SUCTION PUMP

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(RJF339)	○	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	.132	6.000	.000	-5.000	SREF	5500.0000	SO.FT.
(RJF340)	□	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	4.180	6.000	.000	-5.000	LREF	327.8000	IN.
(RJF341)	◇	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	6.149	6.000	.000	-5.000	BREF	2348.0000	IN.
(RJF342)	△	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	8.123	6.000	.000	-5.000	XMRP	1339.9100	IN.XC
(RJF343)	▽	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	10.116	6.000	.000	-5.000	YMRP	.0000	IN.YC
(RJF344)	◻	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	12.139	6.000	.000	-5.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

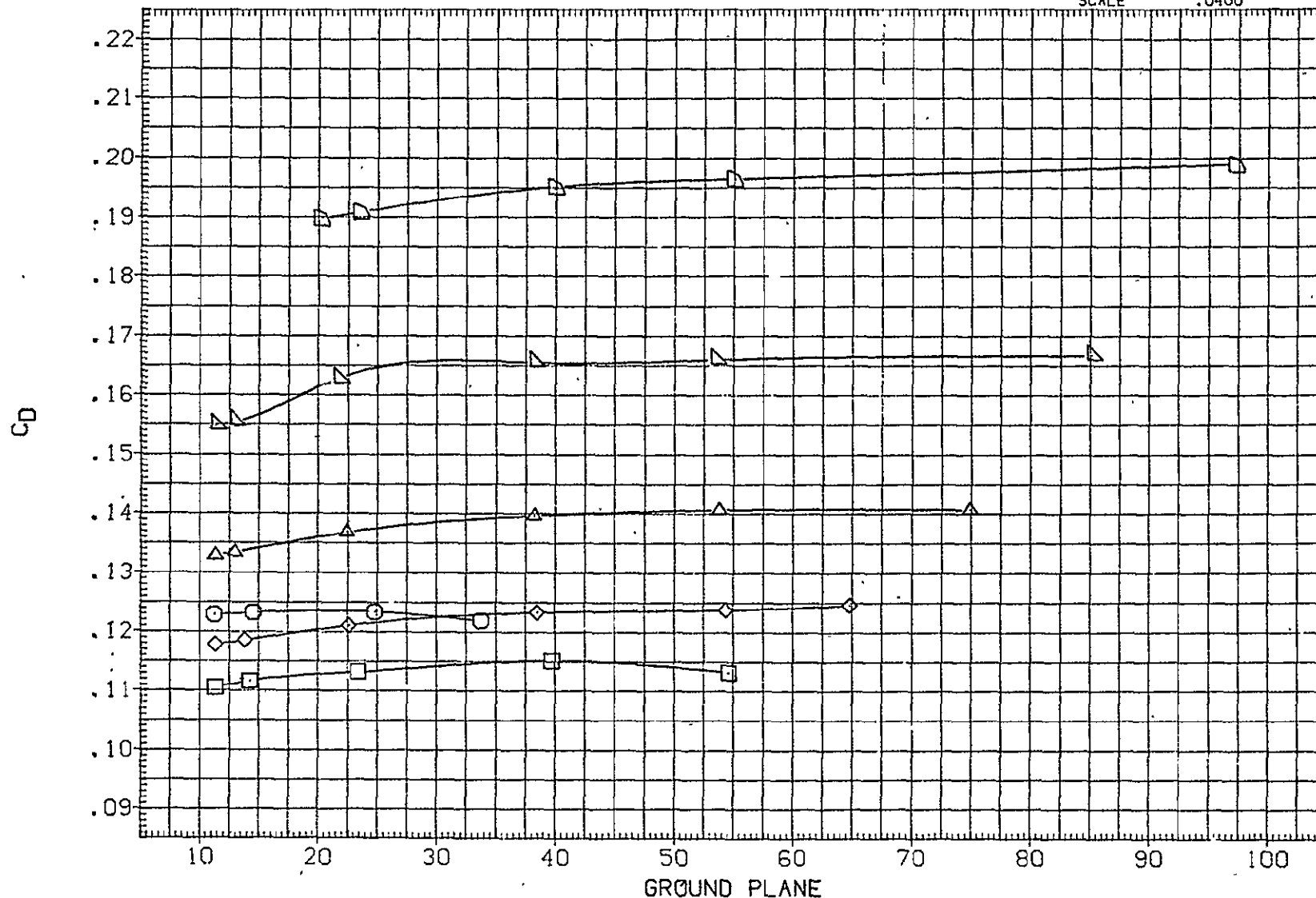


FIG 108 ALT CONFIG IN GROUND PROXIMITY, STAB = 2, FLAPS 10, IORB=6. TC OFF
MAIN BALANCE DATA-GP SWEEPS, WITH SUCTION PUMP

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(RJF339)	○	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	.132	6.000	.000	-5.000	SREF	5500.0000	50. FT.
(RJF340)	□	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	4.180	6.000	.000	-5.000	LREF	327.8000	IN.
(RJF341)	◇	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	6.149	6.000	.000	-5.000	BREF	2348.0000	IN.
(RJF342)	△	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	8.123	6.000	.000	-5.000	XMRP	1339.9100	IN. XC
(RJF343)	▽	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	10.116	6.000	.000	-5.000	YMRP	.0000	IN. YC
(RJF344)	◻	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	12.139	6.000	.000	-5.000	ZMRP	190.7500	IN. ZC
							SCALE	.0400	

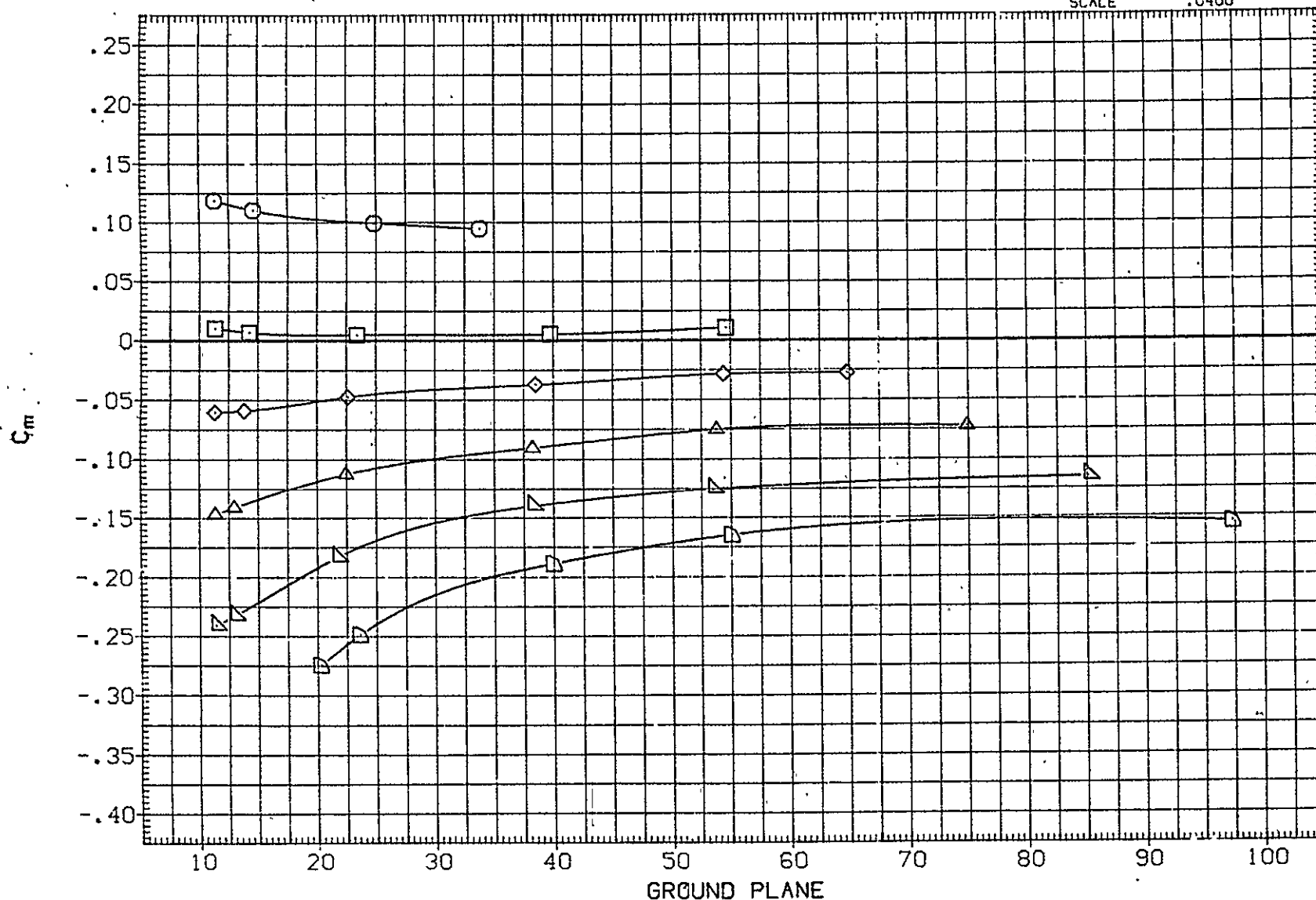


FIG 108 ALT CONFIG IN GROUND PROXIMITY, STAB = 2, FLAPS 10, IORB=6, TC OFF
MAIN BALANCE DATA-GP SWEEPS, WITH SUCTION PUMP

(A)MACH = .15

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DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(RJF374)	□	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	.187	6.000	.000	-5.000	SREF	5500.0000	50.FT.
(RJF375)	□	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	4.094	6.000	.000	-5.000	LREF	327.8000	IN.
(RJF376)	◇	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	6.154	6.000	.000	-5.000	BREF	2348.0000	IN.
(RJF377)	△	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	8.131	6.000	.000	-5.000	XMRP	1339.9100	IN.XC
(RJF378)	△	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	10.146	6.000	.000	-5.000	YMRP	.0000	IN.YC
(RJF379)	△	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	12.167	6.000	.000	-5.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

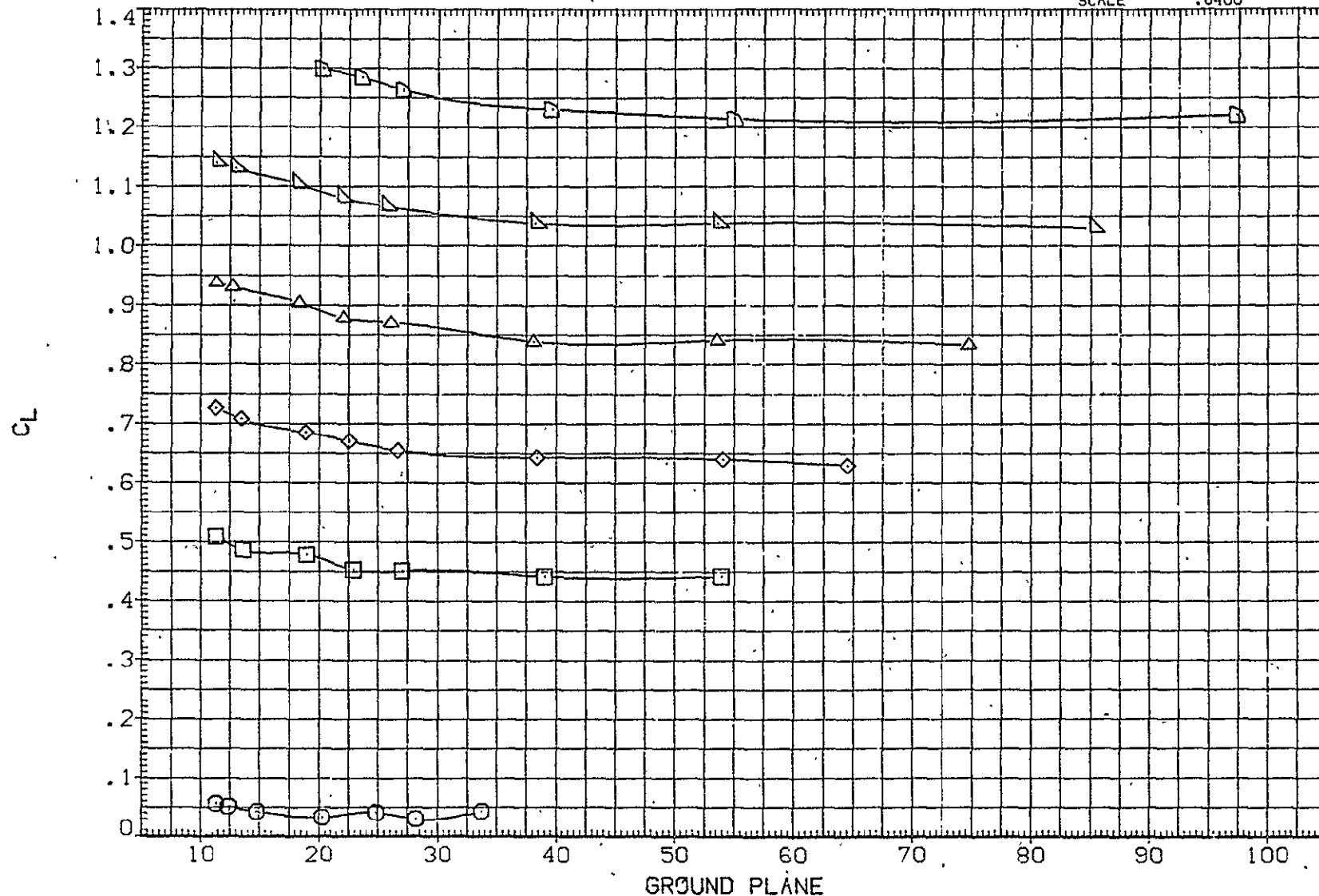


FIG 109 ALT CONFIG IN GROUND PROXIMITY, STAB = 0, FLAPS 10, IORB=6, TC OFF
MAIN BALANCE DATA-GP SWEEPS, WITHOUT SUCTION PUMP

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA W	I ORB	BDF LAP	EI EVON	REFERENCE INFORMATION		
(RJF374)	○	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	.187	6.000	.000	-5.000	SREF	5500.0000	50. FT.
(RJF375)	□	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	4.034	6.000	.000	-5.000	LREF	327.8000	IN.
(RJF376)	◇	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	6.154	6.000	.000	-5.000	BREF	2348.0000	IN.
(RJF377)	△	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	8.131	6.000	.000	-5.000	XM RP	1339.9100	IN. XC
(RJF378)	▽	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	10.146	6.000	.000	-5.000	YM RP	.0000	IN. YC
(RJF379)	◻	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	12.167	6.000	.000	-5.000	ZM RP	190.7500	IN. ZC
							SCALE	.0400	

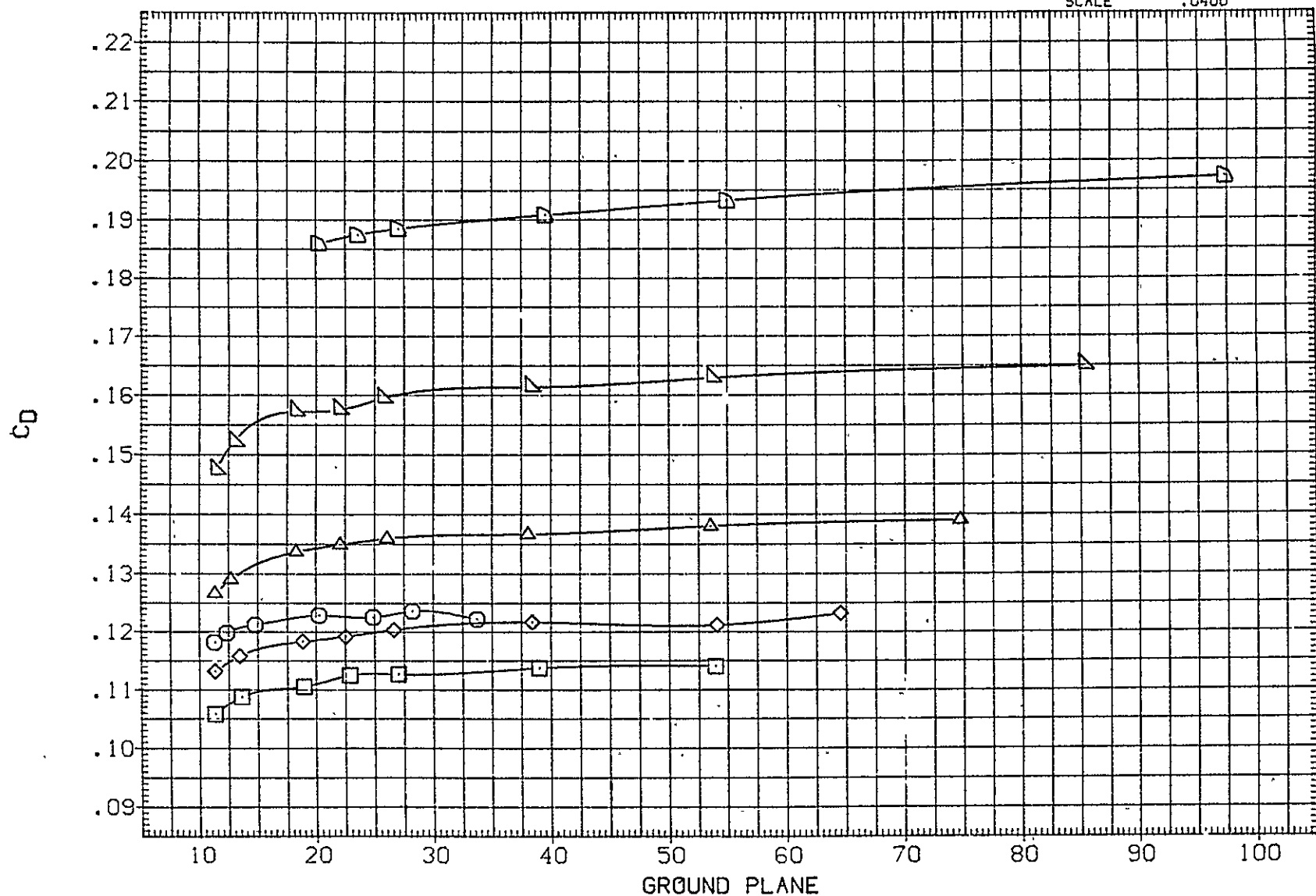


FIG 109 ALT CONFIG IN GROUND PROXIMITY, STAB = 0, FLAPS 10, I ORB=6, TC OFF
MAIN BALANCE DATA-GP SWEEPS, WITHOUT SUCTION PUMP

(A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(RJF374)	○	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	.187	6.000	.000	-5.000	SREF	5500.0000	SQ.FT.
(RJF375)	□	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	4.094	6.000	.000	-5.000	LREF	327.8000	IN.
(RJF376)	◇	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	6.154	6.000	.000	-5.000	BREF	2348.0000	IN.
(RJF377)	△	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	8.131	6.000	.000	-5.000	XMPP	1339.9100	IN.XC
(RJF378)	▽	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	10.146	6.000	.000	-5.000	YMRP	.0000	IN.YC
(RJF379)	◻	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	12.167	6.000	.000	-5.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

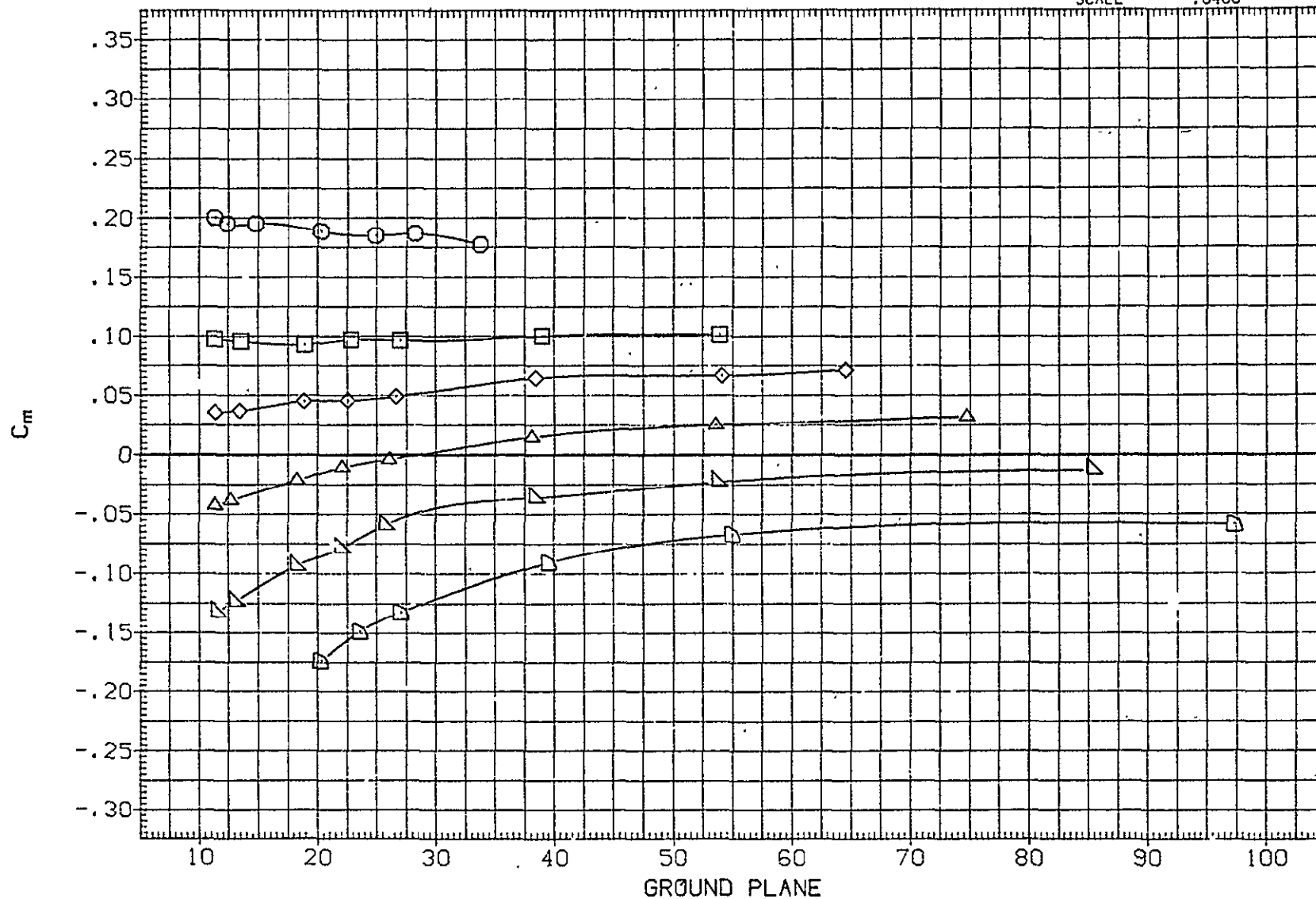


FIG 109 ALT CONFIG IN GROUND PROXIMITY, STAB = 0, FLAPS 10, IORB=6, TC OFF
MAIN BALANCE DATA-GP SWEEPS, WITHOUT SUCTION PUMP

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(RJF380)	□	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	.132	6.000	.000	-5.000	SREF	5500.0000	50.FT.
(RJF381)	◇	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	4.129	6.000	.000	-5.000	LREF	327.8000	IN.
(RJF382)	△	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	6.149	6.000	.000	-5.000	BREF	2348.0000	IN.
(RJF383)	▽	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	8.171	6.000	.000	-5.000	XMRP	1339.9100	IN.XC
(RJF384)	△	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	10.148	6.000	.000	-5.000	YMRP	.0000	IN.YC
(RJF385)	◇	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	12.178	6.000	.000	-5.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

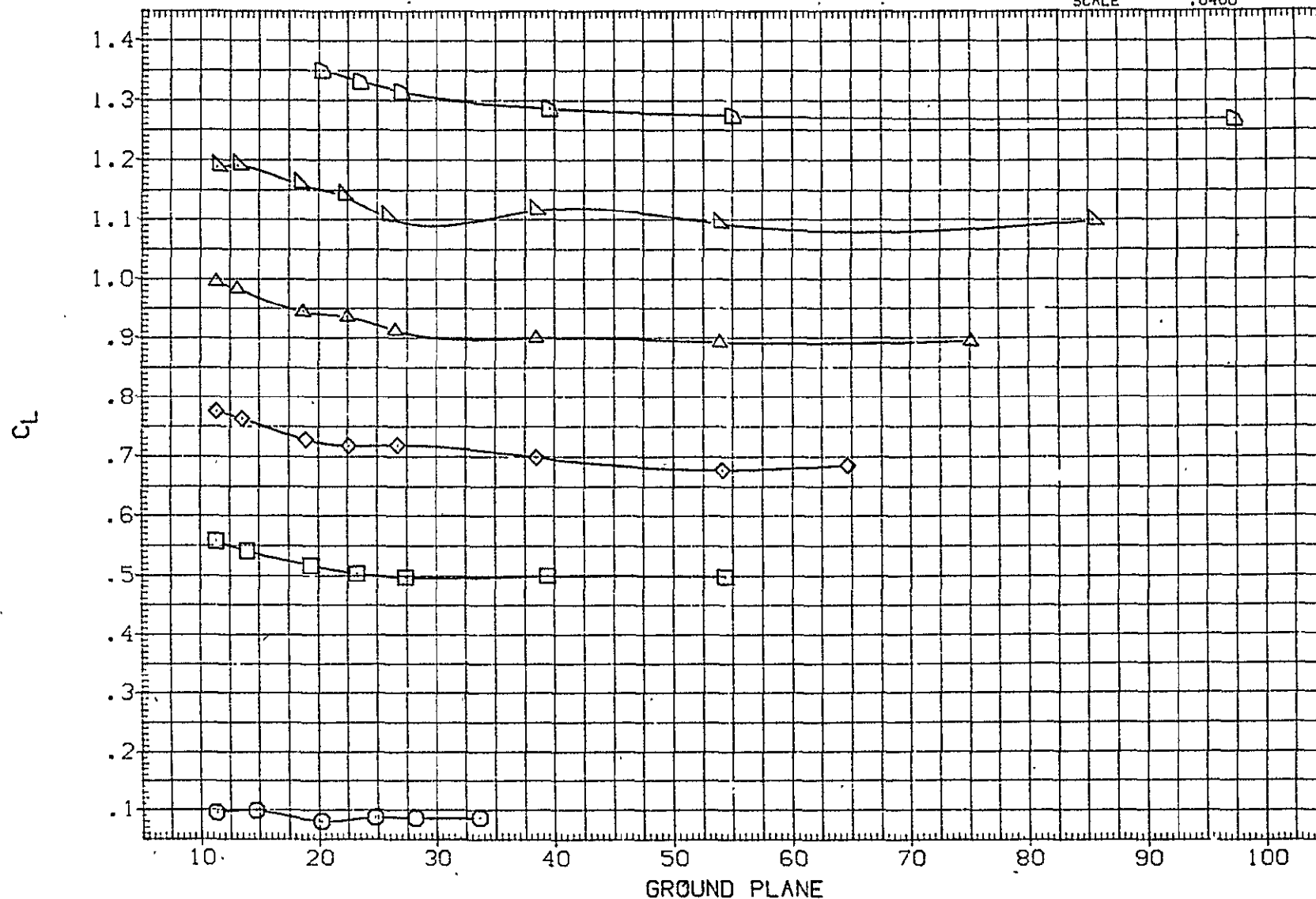


FIG 110 ALT CONFIG IN GROUND PROXIMITY, STAB = 4, FLAPS 10, IORB=6, TC OFF
MAIN BALANCE DATA-GP SWEEPS. WITHOUT SUCTION PUMP

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(RJF380)	○	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	.132	6.000	.000	-5.000	SREF	5500.0000	50. FT.
(RJF381)	◇	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	4.129	6.000	.000	-5.000	LREF	327.8000	IN.
(RJF382)	□	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	6.149	6.000	.000	-5.000	BREF	2348.0000	IN.
(RJF383)	△	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	8.171	6.000	.000	-5.000	XMRP	1339.9100	IN. XC
(RJF384)	▽	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	10.148	6.000	.000	-5.000	YMRP	.0000	IN. YC
(RJF385)	▷	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	12.178	6.000	.000	-5.000	ZMRP	190.7500	IN. ZC
							SCALE	.0400	

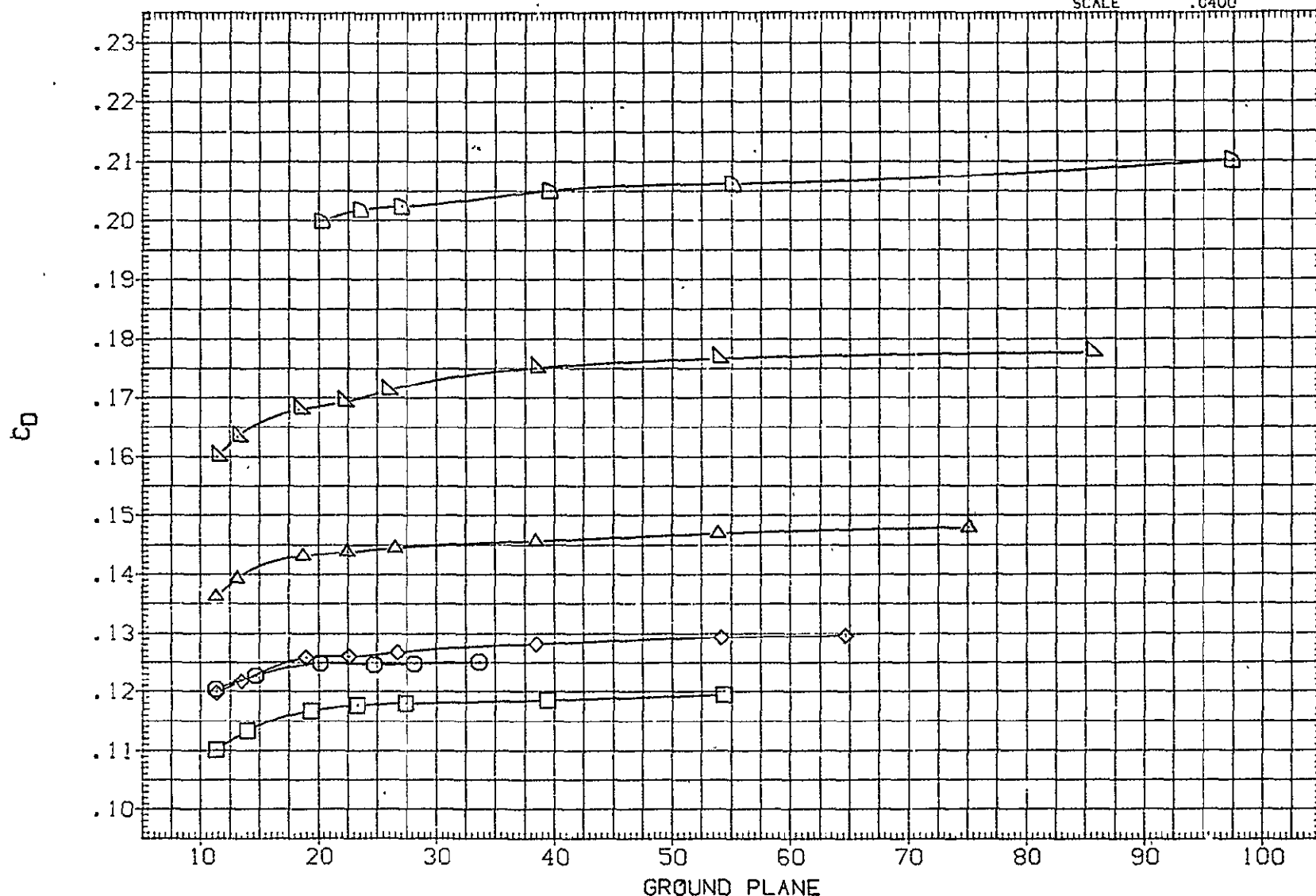


FIG 110 ALT CONFIG IN GROUND PROXIMITY. STAB = 4. FLAPS 10. IORB=6. TC OFF
MAIN BALANCE DATA-GP SWEEPS, WITHOUT SUCTION PUMP

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(RJF380)	○	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	.132	6.000	.000	-5.000	SREF	5500.0000	SQ.FT.
(RJF381)	□	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	4.129	6.000	.000	-5.000	LREF	327.8000	IN.
(RJF382)	◇	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	6.149	6.000	.000	-5.000	BREF	2348.0000	IN.
(RJF383)	△	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	8.171	6.000	.000	-5.000	XMRP	1339.9100	IN.XC
(RJF384)	▽	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	10.148	6.000	.000	-5.000	YMRP	.0000	IN.YC
(RJF385)	◁	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	12.178	6.000	.000	-5.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

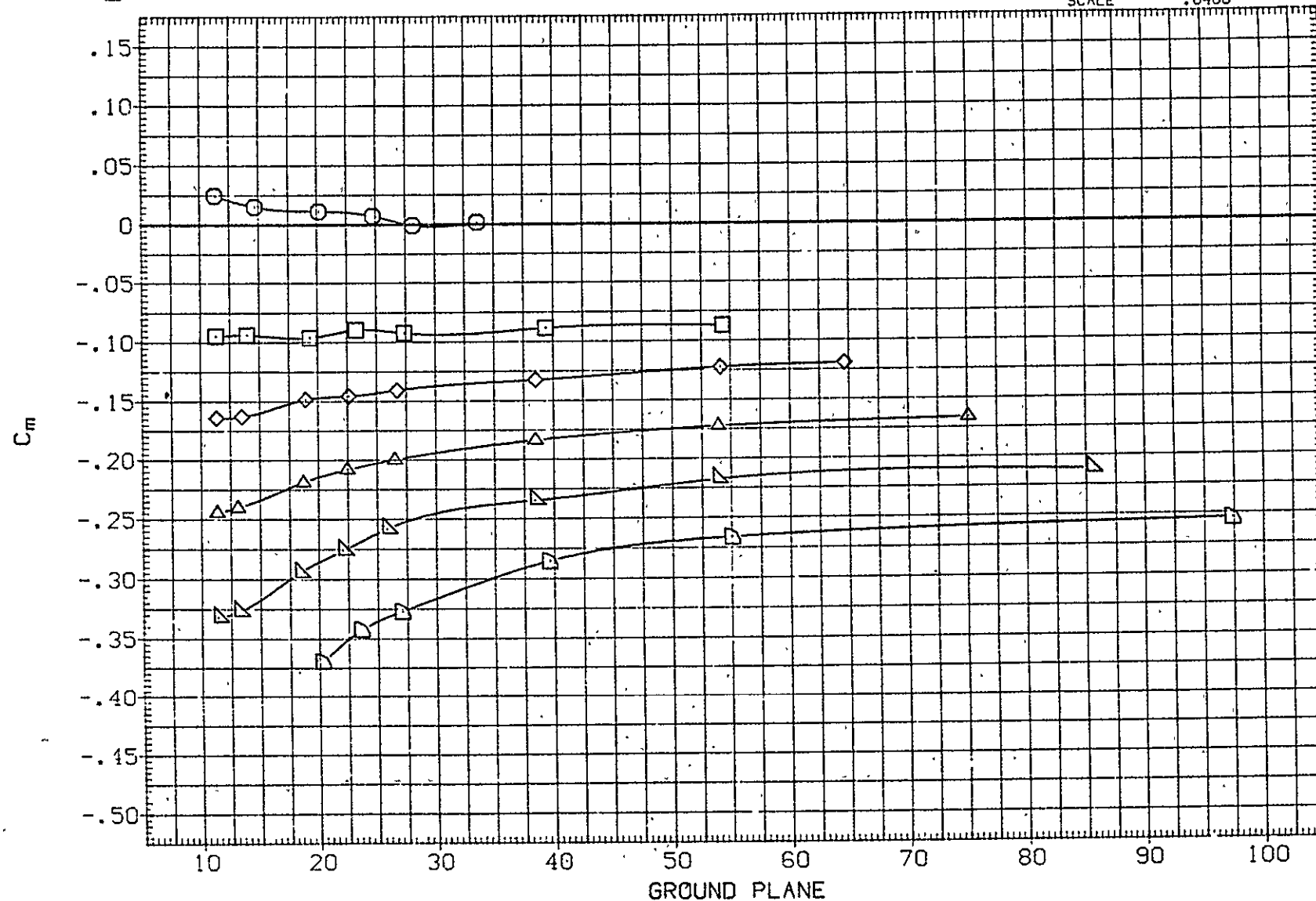


FIG 110 ALT CONFIG IN GROUND PROXIMITY, STAB = 4, FLAPS 10, IORB=6, TC OFF
 MAIN BALANCE DATA-GP SWEEPS, WITHOUT SUCTION PUMP

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(RJF357)	□	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	.223	6.000	.000	-5.000	SREF	5500.0000	SQ.FT.
(RJF358)	□	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	3.987	6.000	.000	-5.000	LREF	327.8000	IN.
(PJF359)	◇	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	6.129	6.000	.000	-5.000	BREF	2348.0000	IN.
(RJF360)	△	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	8.220	6.000	.000	-5.000	XMRP	1339.9100	IN.XC
(RJF361)	△	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	10.205	6.000	.000	-5.000	YMRP	.0000	IN.YC
(RJF362)	△	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	12.137	6.000	.000	-5.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

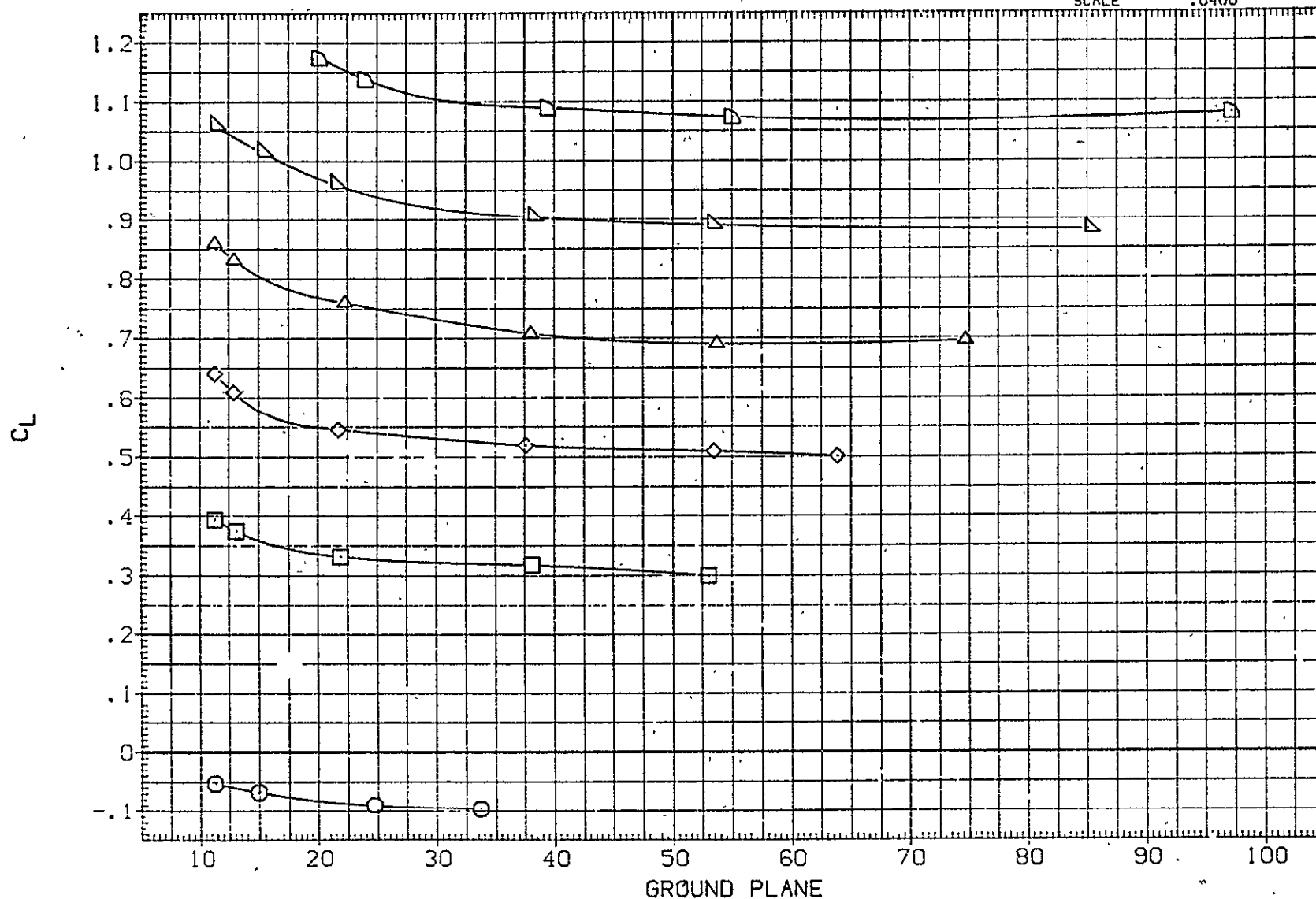


FIG 111 ALT CONFIG IN GROUND PROXIMITY. STAB = 0, ELEVTR=-23, IORB=6, TC OFF
MAIN BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(RJF357)	○	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	.223	6.000	.000	-5.000	SREF	5500.0000	50.FT.
(RJF358)	□	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	3.987	6.000	.000	-5.000	LREF	327.8000	IN.
(RJF359)	◇	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	6.129	6.000	.000	-5.000	BREF	2348.0000	IN.
(RJF360)	△	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	8.220	6.000	.000	-5.000	XMRP	1339.9100	IN.XC
(RJF361)	▽	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	10.205	6.000	.000	-5.000	YMRP	.0000	IN.YC
(RJF362)	◻	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	12.137	6.000	.000	-5.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

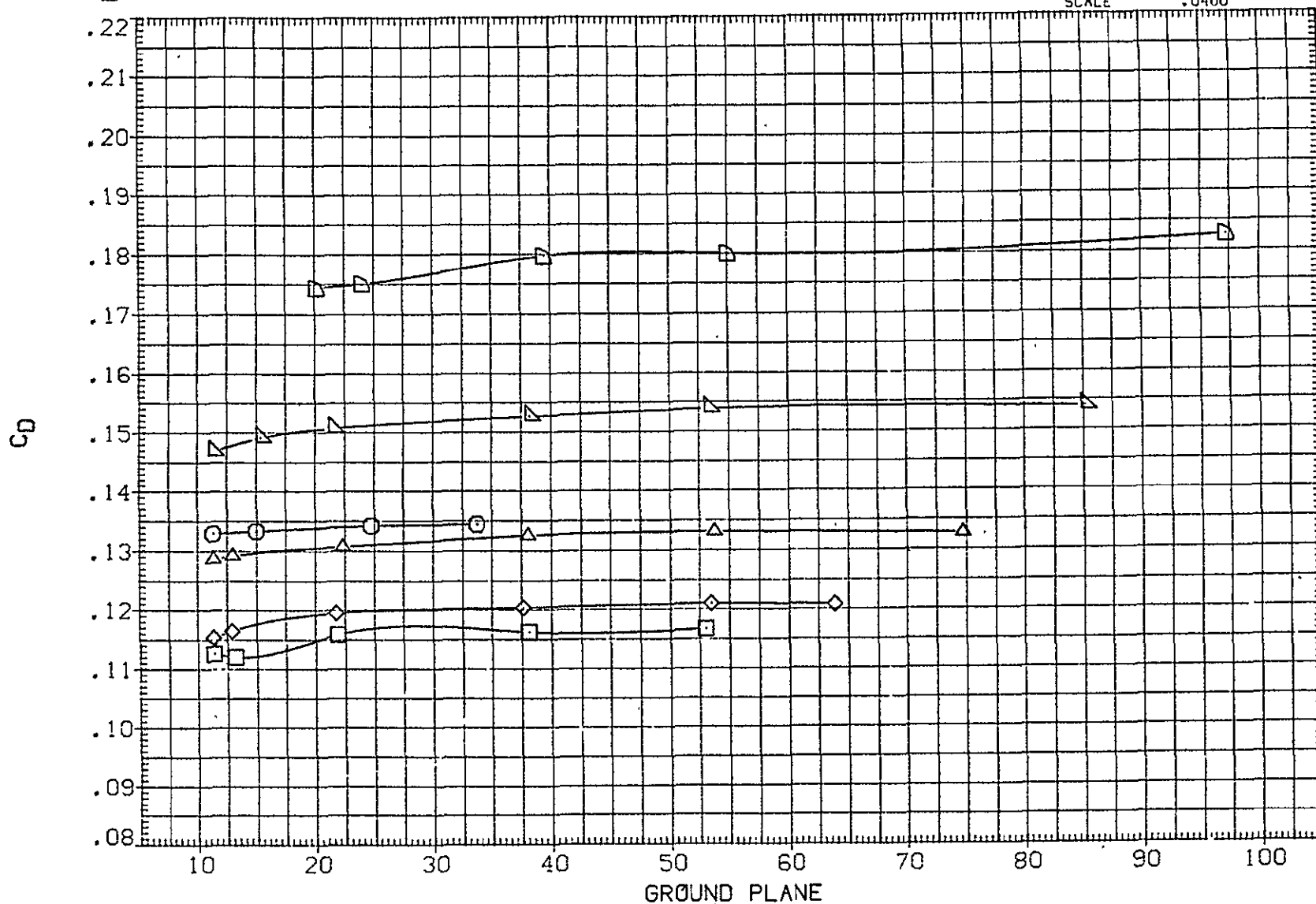


FIG 111 ALT CONFIG IN GROUND PROXIMITY, STAB = 0, ELEVTR=-23, IORB=6, TC OFF
MAIN BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA _W	I _{ORB}	BDFLAP	ELEV _{ON}	REFERENCE INFORMATION		
(RJF357)	○	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	.223	6.000	.000	-5.000	SREF	5500.0000	SQ.FT.
(RJF358)	□	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	3.987	6.000	.000	-5.000	LREF	327.8000	IN.
(RJF359)	◇	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	6.129	6.000	.000	-5.000	BREF	2348.0000	IN.
(RJF360)	△	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	8.220	6.000	.000	-5.000	XMRP	1339.9100	IN.XC
(RJF361)	▽	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	10.205	6.000	.000	-5.000	YMRP	.0000	IN.YC
(RJF362)	◻	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	12.137	6.000	.000	-5.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

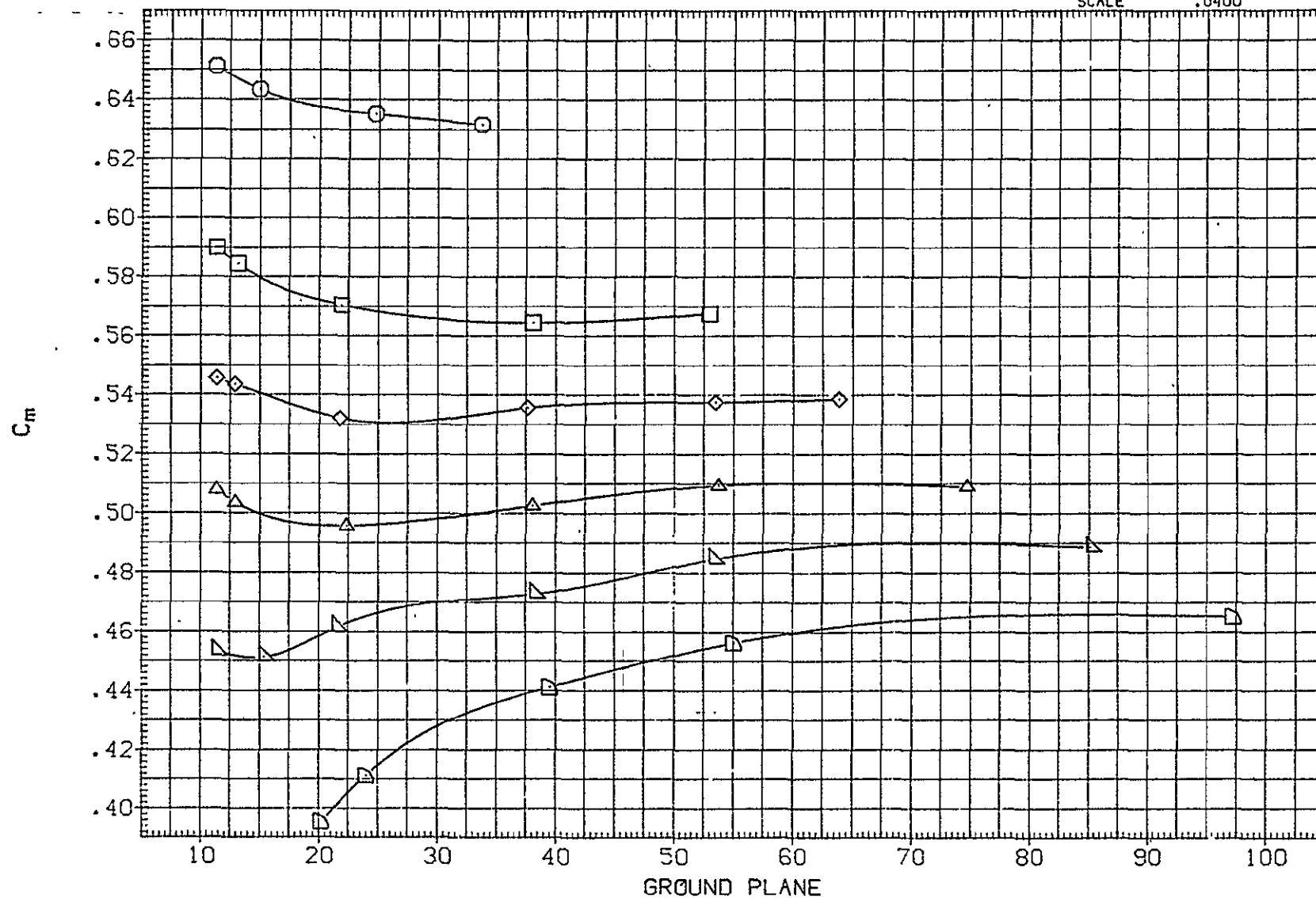


FIG 111 ALT CONFIG IN GROUND PROXIMITY, STAB = 0, ELEVTR=-23, I_{ORB}=6, TC OFF
MAIN BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(RJF229)	○	(CA-8) K3.1TS7 F30TS40265.3.5	.216	6.000	.000	-5.000	SREF	5500.0000	SQ.FT.
(RJF230)	□	(CA-8) K3.1TS7 F30TS40265.3.5	4.197	6.000	.000	-5.000	LREF	327.8000	IN.
(RJF231)	◇	(CA-8) K3.1TS7 F30TS40265.3.5	6.094	6.000	.000	-5.000	BREF	2348.0000	IN.
(RJF232)	△	(CA-8) K3.1TS7 F30TS40265.3.5	8.072	6.000	.000	-5.000	XMRP	1339.9100	IN.XC
(RJF233)	▽	(CA-8) K3.1TS7 F30TS40265.3.5	10.131	6.000	.000	-5.000	YMRP	.0000	IN.YC
(RJF234)	▷	(CA-8) K3.1TS7 F30TS40265.3.5	12.131	6.000	.000	-5.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

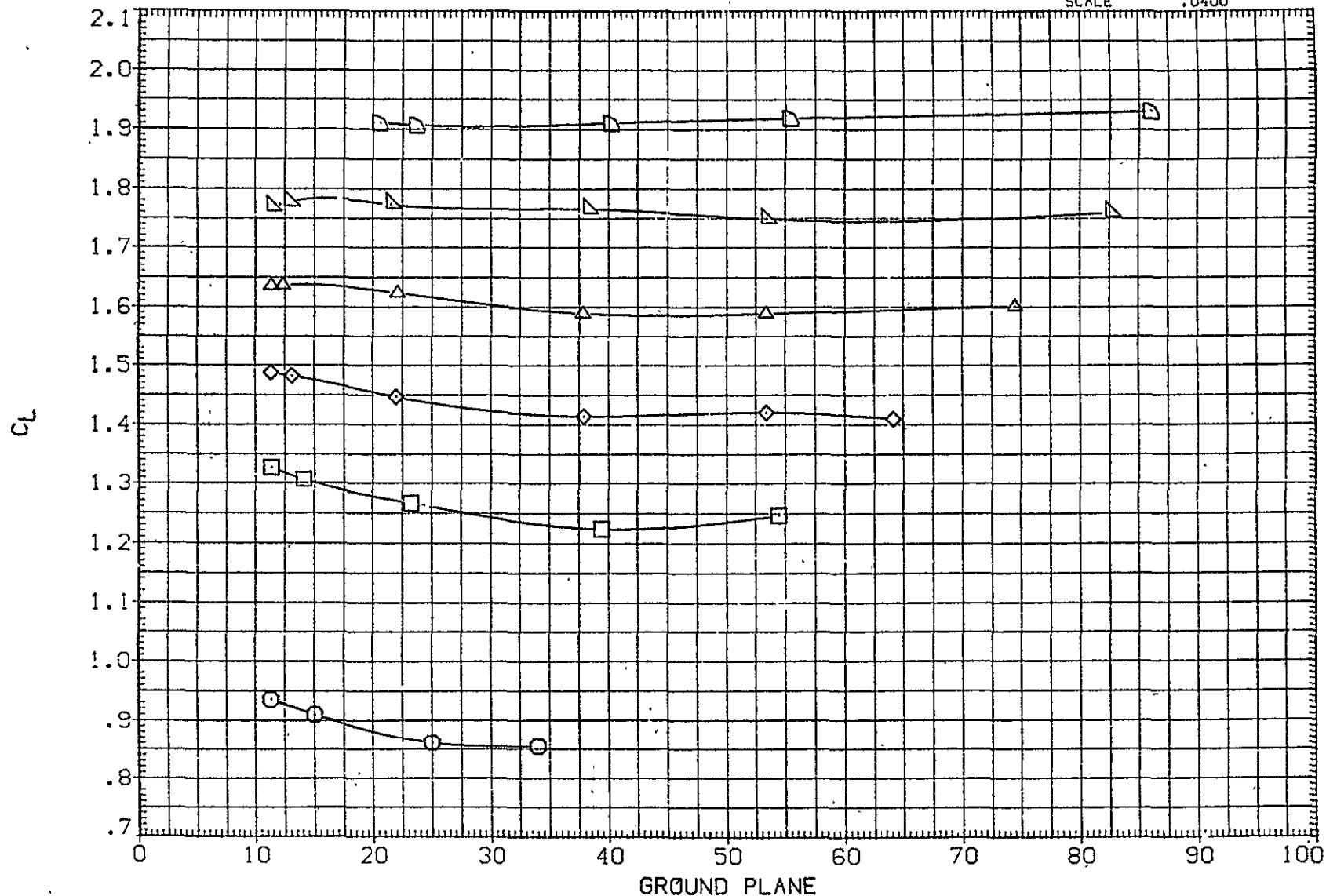


FIG 112 ALT CONFIG IN GROUND PROXIMITY, HORIZ OFF, FLAPS 30, IORB=6, TC OFF
MAIN BALANCE DATA-GP SWEEPS

(A)MACH = .15

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DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION
(RJF229)	○	(CA-8) K3.1TS7 F30TS402G5.3.5	.216	6.000	.000	-5.000	SREF 5500.0000 SQ.FT.
(RJF230)	□	(CA-8) K3.1TS7 F30TS402G5.3.5	4.197	6.000	.000	-5.000	LREF 327.8000 IN.
(RJF231)	◇	(CA-8) K3.1TS7 F30TS402G5.3.5	6.094	6.000	.000	-5.000	BREF 2348.0000 IN.
(RJF232)	△	(CA-8) K3.1TS7 F30TS402G5.3.5	8.072	6.000	.000	-5.000	XMRP 1339.9100 IN.XC
(RJF233)	▽	(CA-8) K3.1TS7 F30TS402G5.3.5	10.131	6.000	.000	-5.000	YMRP .0000 IN.YC
(RJF234)	◻	(CA-8) K3.1TS7 F30TS402G5.3.5	12.131	6.000	.000	-5.000	ZMRP 190.7500 IN.ZC
							SCALE .0400

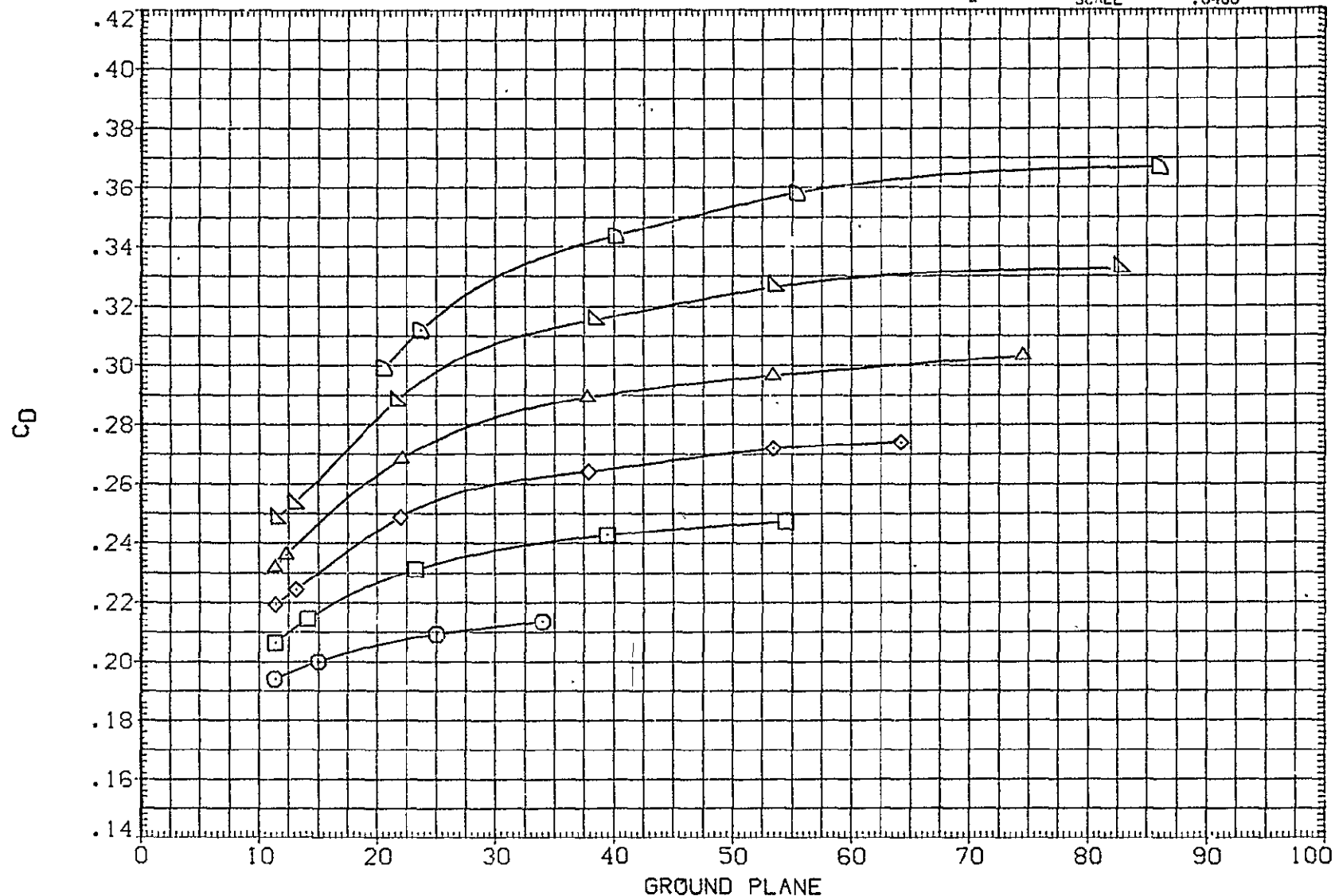


FIG 112 ALT CONFIG IN GROUND PROXIMITY. HORIZ OFF, FLAPS 30, IORB=6, TC OFF
MAIN BALANCE DATA-GP SWEEPS

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	10RB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(RJF229)	○	(CA-8) K3.1TS7 F30TS40265.3.5	.216	6.000	.000	-5.000	SREF	5500.0000	50.FT.
(RJF230)	□	(CA-8) K3.1TS7 F30TS40265.3.5	4.197	6.000	.000	-5.000	LREF	327.8000	IN.
(RJF231)	◇	(CA-8) K3.1TS7 F30TS40265.3.5	6.094	6.000	.000	-5.000	BREF	2348.0000	IN.
(RJF232)	△	(CA-8) K3.1TS7 F30TS40265.3.5	8.072	6.000	.000	-5.000	XMRP	1339.9100	IN.XC
(RJF233)	▽	(CA-8) K3.1TS7 F30TS40265.3.5	10.131	6.000	.000	-5.000	YMRP	.0000	IN.YC
(RJF234)	◻	(CA-8) K3.1TS7 F30TS40265.3.5	12.131	6.000	.000	-5.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

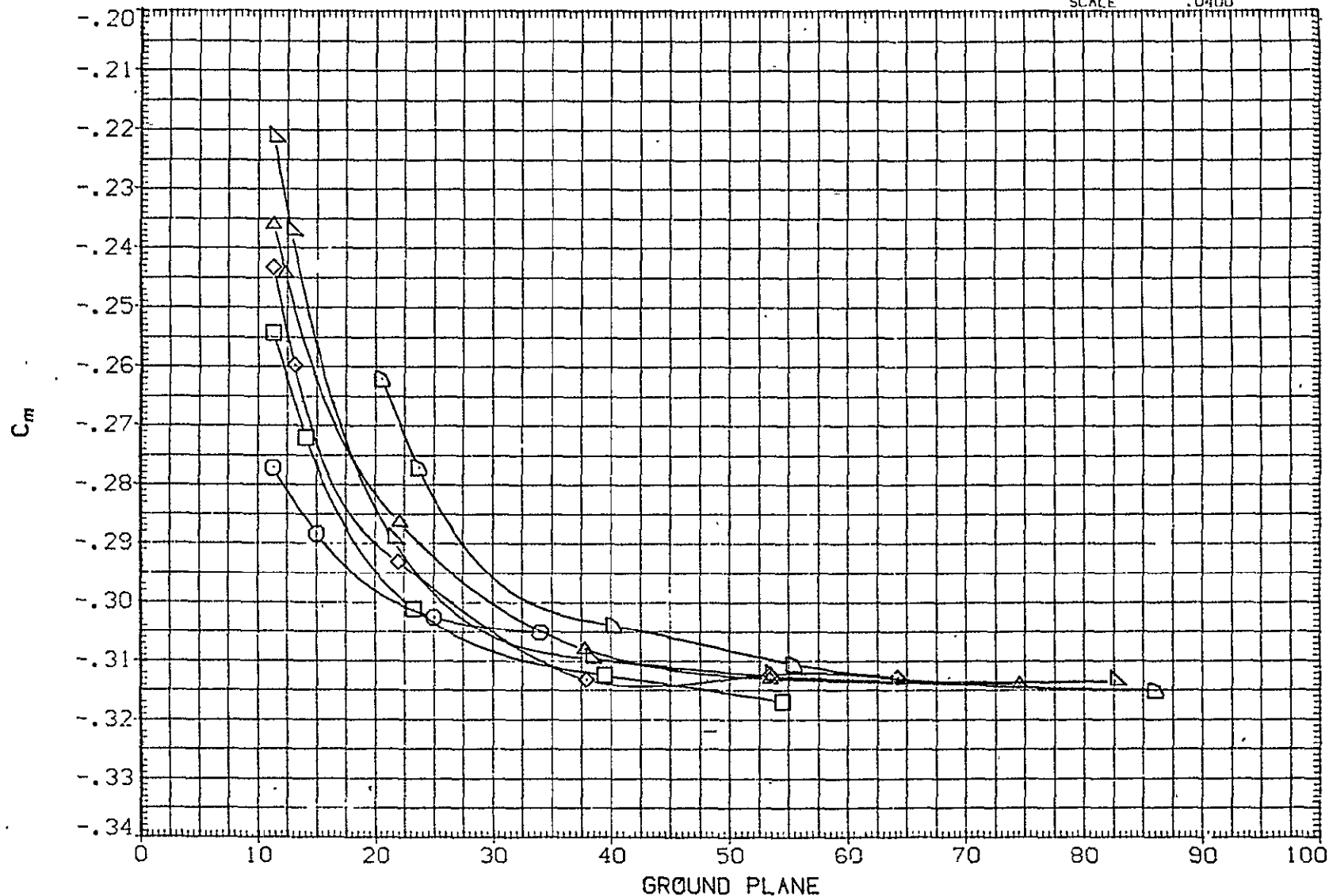


FIG 112 ALT CONFIG IN GROUND PROXIMITY, HORIZ OFF, FLAPS 30, 10RB=6, TC OFF
MAIN BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDLAP	ELEVON	REFERENCE INFORMATION		
(RJF223)	○	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	.204	6.000	.000	-5.000	SREF	5500.0000	SQ.FT.
(RJF224)	□	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	4.117	6.000	.000	-5.000	LREF	327.8000	IN.
(RJF225)	△	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	6.147	6.000	.000	-5.000	BREF	2348.0000	IN.
(RJF226)	◇	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	8.164	6.000	.000	-5.000	XMRP	1339.9100	IN.XC
(RJF227)	▽	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	10.089	6.000	.000	-5.000	YMRP	.0000	IN.YC
(RJF228)	◊	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	12.121	6.000	.000	-5.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

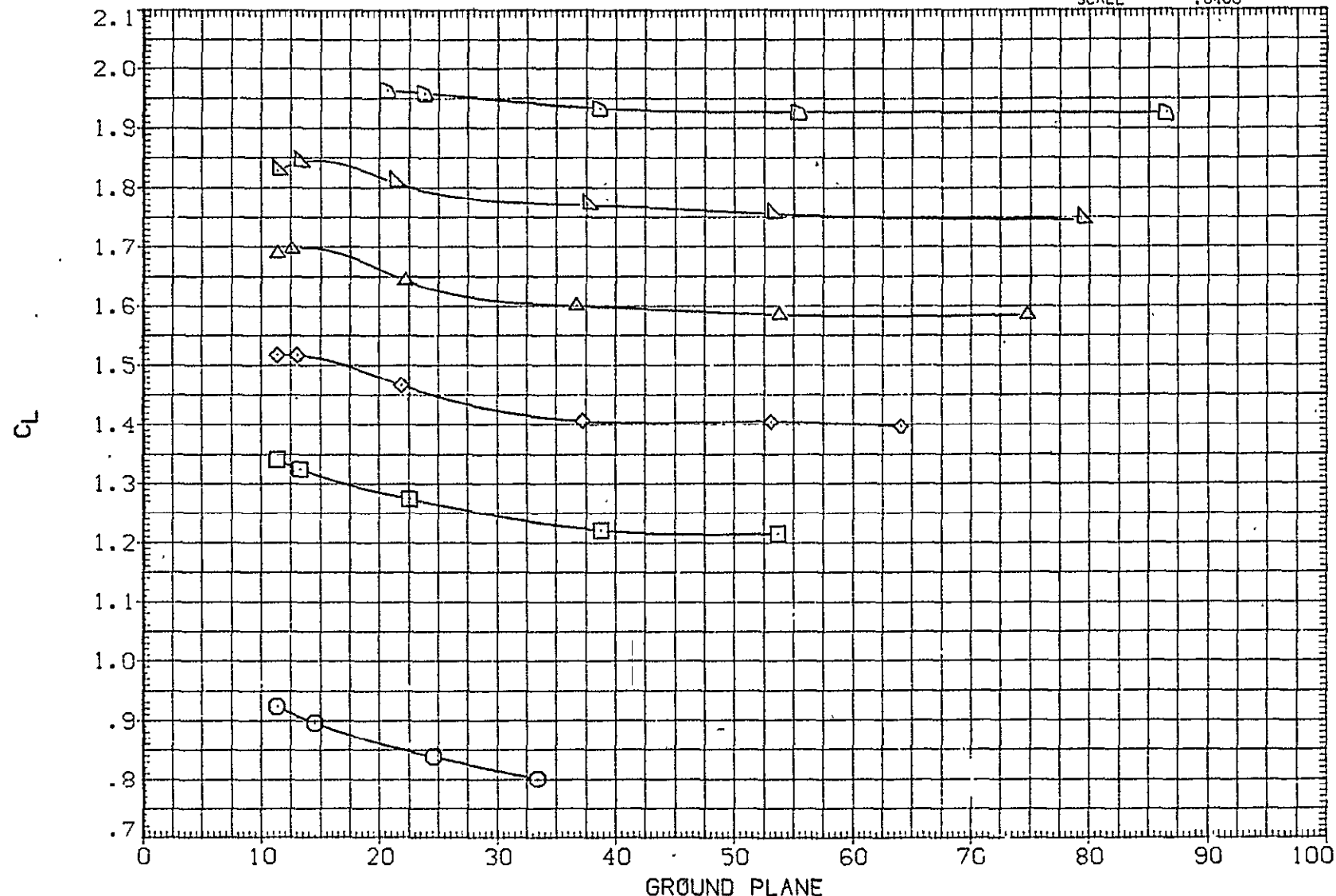


FIG 113 ALT CONFIG IN GROUND PROXIMITY, STAB = 2. FLAPS 30. IORB=6, TC OFF
MAIN BALANCE DATA-GP SWEEPS

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	IORB	BDF_AP	ELEVON	REFERENCE INFORMATION		
(RJF223)	○	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	.204	6.000	.000	-5.000	SREF	5500.0000	50.FT.
(RJF224)	□	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	4.117	6.000	.000	-5.000	LREF	327.8000	IN.
(RJF225)	◇	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	6.147	6.000	.000	-5.000	BREF	2348.0000	IN.
(RJF226)	△	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	8.164	6.000	.000	-5.000	XMRP	1339.9100	IN.XC
(RJF227)	▽	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	10.089	6.000	.000	-5.000	YMRP	.0000	IN.YC
(RJF228)	◻	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	12.121	6.000	.000	-5.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

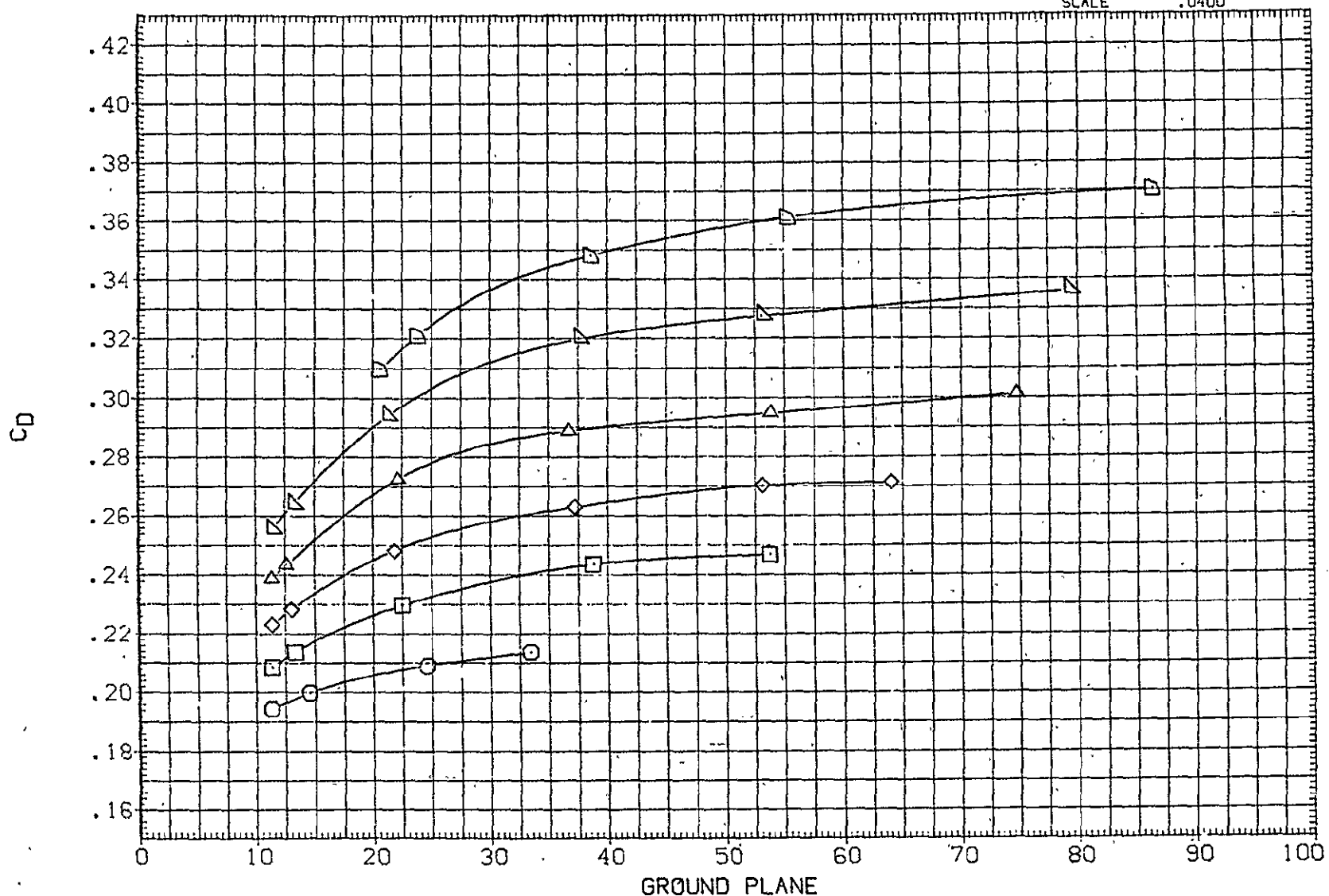


FIG 113 ALT CONFIG IN GROUND PROXIMITY, STAB = 2, FLAPS 30, IORB=6, TC OFF
MAIN BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(RJF223)	○	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	.204	6.000	.000	-5.000	SREF	5500.0000	50.FT.
(RJF224)	□	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	4.117	6.000	.000	-5.000	LREF	327.8000	IN.
(RJF225)	◇	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	6.147	6.000	.000	-5.000	BREF	2348.0000	IN.
(RJF226)	△	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	8.164	6.000	.000	-5.000	XMRP	1339.9100	IN.XC
(RJF227)	▽	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	10.089	6.000	.000	-5.000	YMRP	.0000	IN.YC
(RJF228)	◻	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	12.121	6.000	.000	-5.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

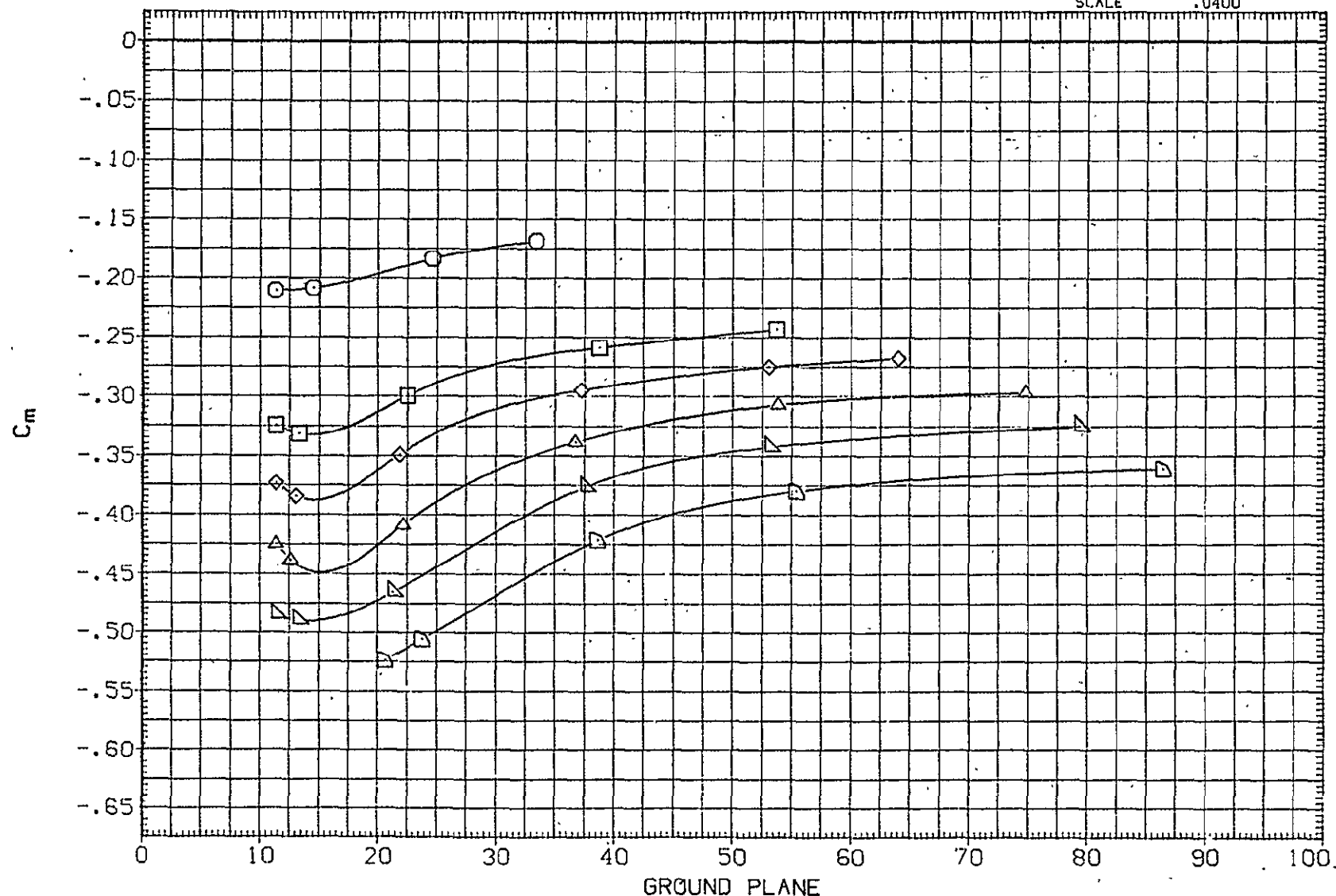


FIG 113 ALT CONFIG IN GROUND PROXIMITY, STAB = 2, FLAPS 30, IORB=6, TC OFF
MAIN BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	IORB	BD-LAP	ELEVON	REFERENCE INFORMATION		
(RJF217)	□	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	.194	6.000	.000	-5.000	SREF	5500.0000	50.FT.
(RJF218)	□	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	4.059	6.000	.000	-5.000	LREF	327.8000	IN.
(RJF219)	◇	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	6.081	6.000	.000	-5.000	BREF	2348.0000	IN.
(RJF220)	△	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	8.162	6.000	.000	-5.000	XMRP	1339.9100	IN.XC
(RJF221)	△	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	10.070	6.000	.000	-5.000	YMRP	.0000	IN.YC
(RJF222)	△	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	12.211	6.000	.000	-5.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

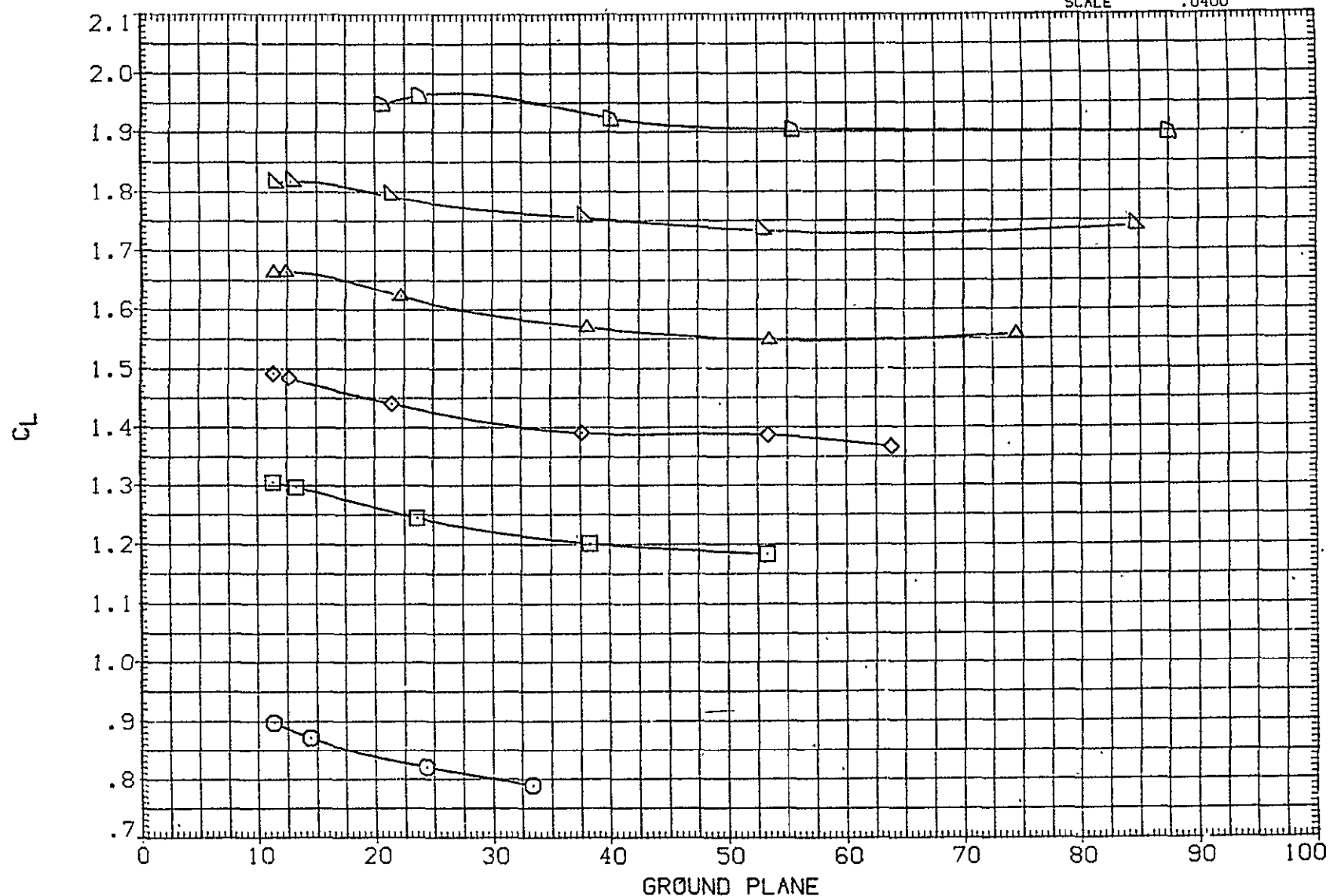


FIG 114 ALT CONFIG IN GROUND PROXIMITY, STAB = 0, FLAPS 30, IORB=6, TC OFF
MAIN BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(RJF217)	○	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	.194	6.000	.000	-5.000	SREF	5500.0000	SQ.FT.
(RJF218)	□	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	4.059	6.000	.000	-5.000	LREF	327.8000	IN.
(RJF219)	◇	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	6.081	6.000	.000	-5.000	BREF	2348.0000	IN.
(RJF220)	△	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	8.162	6.000	.000	-5.000	XMRP	1339.9100	IN.XC
(RJF221)	▽	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	10.070	6.000	.000	-5.000	YMRP	.0000	IN.YC
(RJF222)	◊	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	12.211	6.000	.000	-5.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

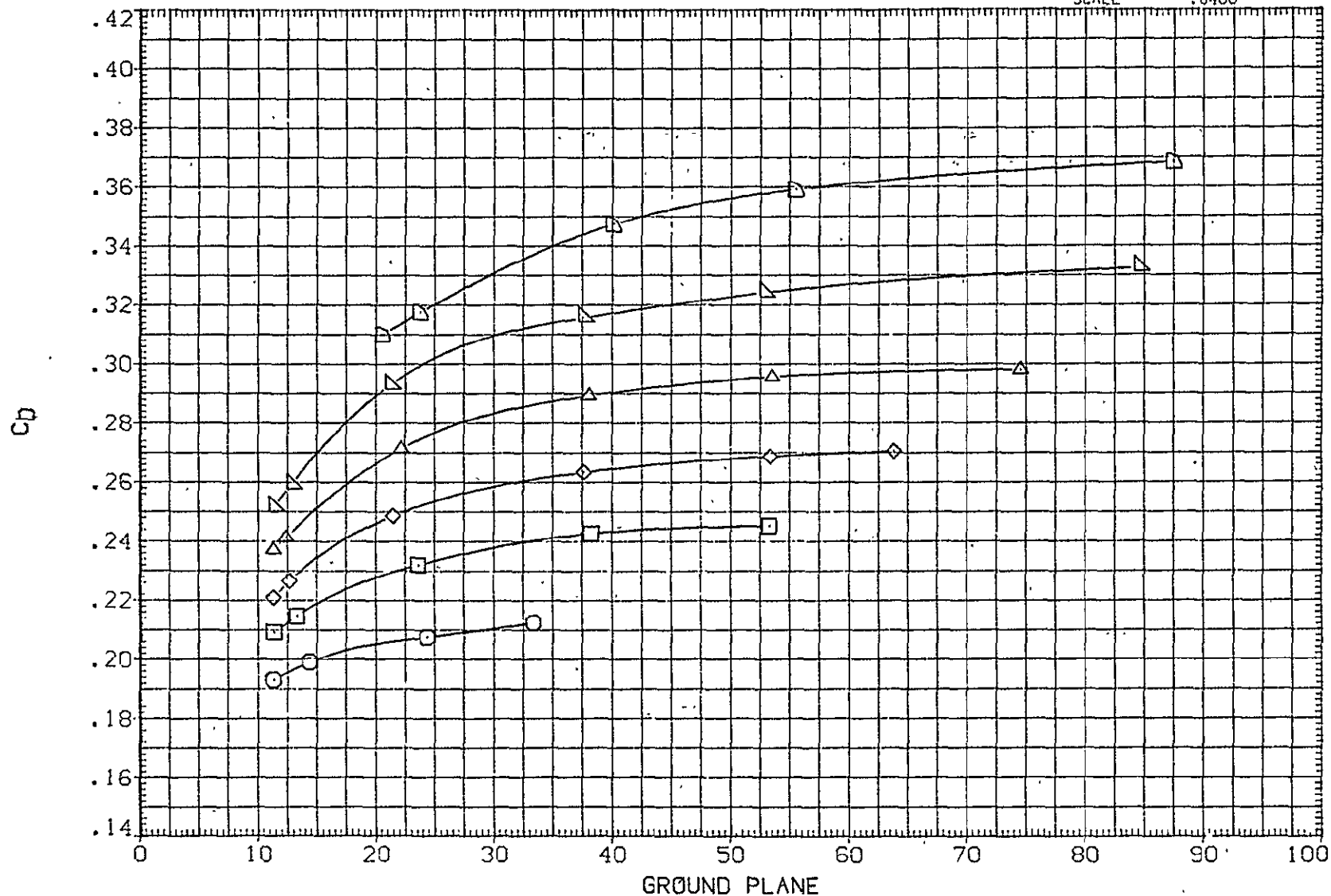


FIG 114 ALT CONFIG IN GROUND PROXIMITY, STAB = 0, FLAPS 30, IORB=6, TC OFF
MAIN BALANCE DATA-GP SWEEPS

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(RJF217)	○	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	.194	6.000	.000	-5.000	SREF	5500.0000	SG.FT.
(RJF218)	□	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	4.059	6.000	.000	-5.000	LREF	327.8000	IN.
(RJF219)	◇	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	6.081	6.000	.000	-5.000	BREF	2348.0000	IN.
(RJF220)	△	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	8.162	6.000	.000	-5.000	XMRF	1339.9100	IN.XC
(RJF221)	▽	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	10.070	6.000	.000	-5.000	YMRF	.0000	IN.YC
(RJF222)	◊	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	12.211	6.000	.000	-5.000	ZMRF	190.7500	IN.ZC
							SCALE	.0400	

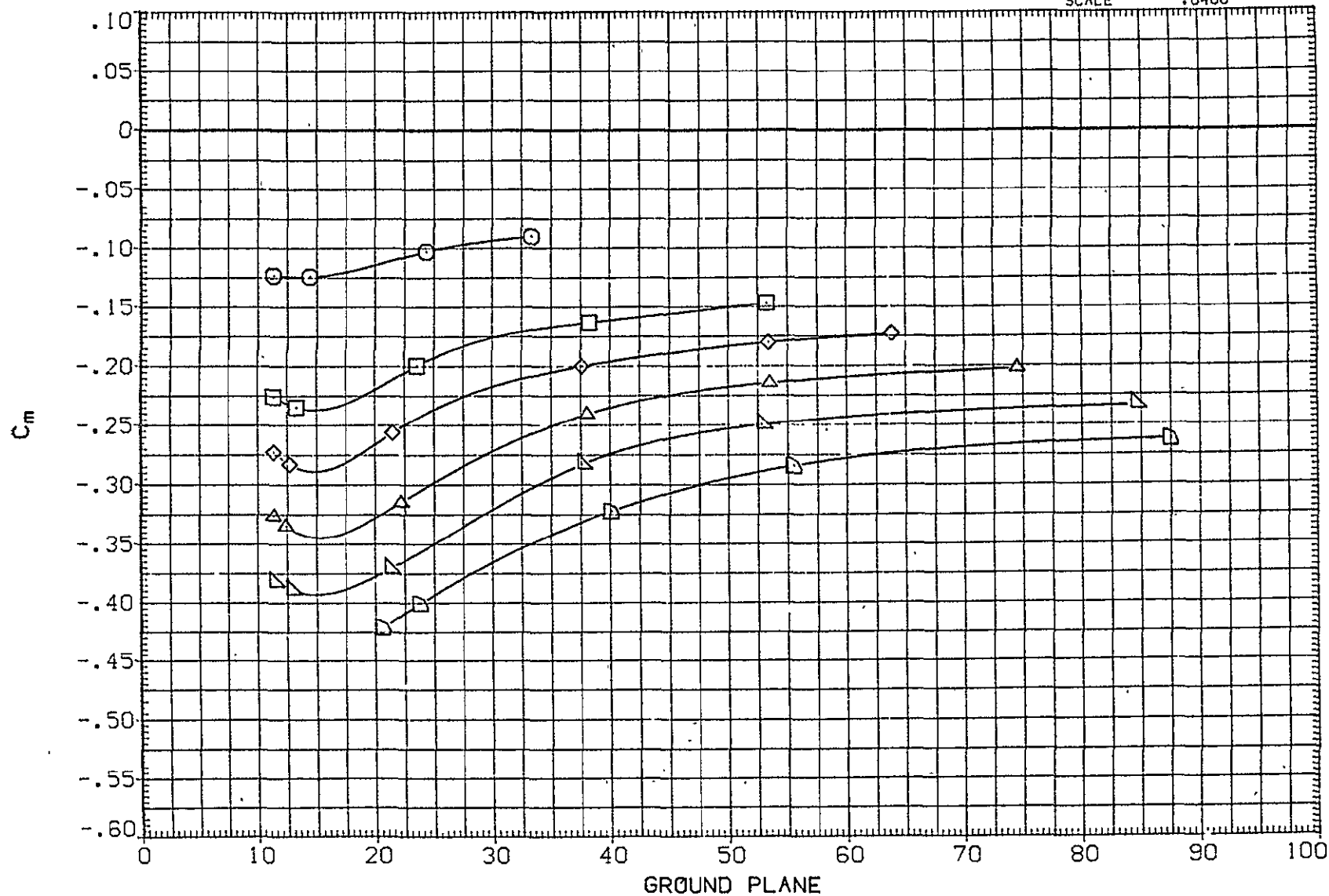


FIG 114 ALT CONFIG IN GROUND PROXIMITY, STAB = 0, FLAPS 30, IORB=6, TC OFF
MAIN BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(RJF211)	○	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	.213	6.000	.000	-5.000	SREF	5500.0000	SQ.FT.
(RJF212)	□	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	4.137	6.000	.000	-5.000	LREF	327.8000	IN.
(RJF213)	◇	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	6.140	6.000	.000	-5.000	BREF	2348.0000	IN.
(RJF214)	△	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	8.192	6.000	.000	-5.000	XMRP	1339.9100	IN.XC
(RJF215)	▽	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	10.124	6.000	.000	-5.000	YMRP	.0000	IN.YC
(RJF216)	▷	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	12.123	6.000	.000	-5.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

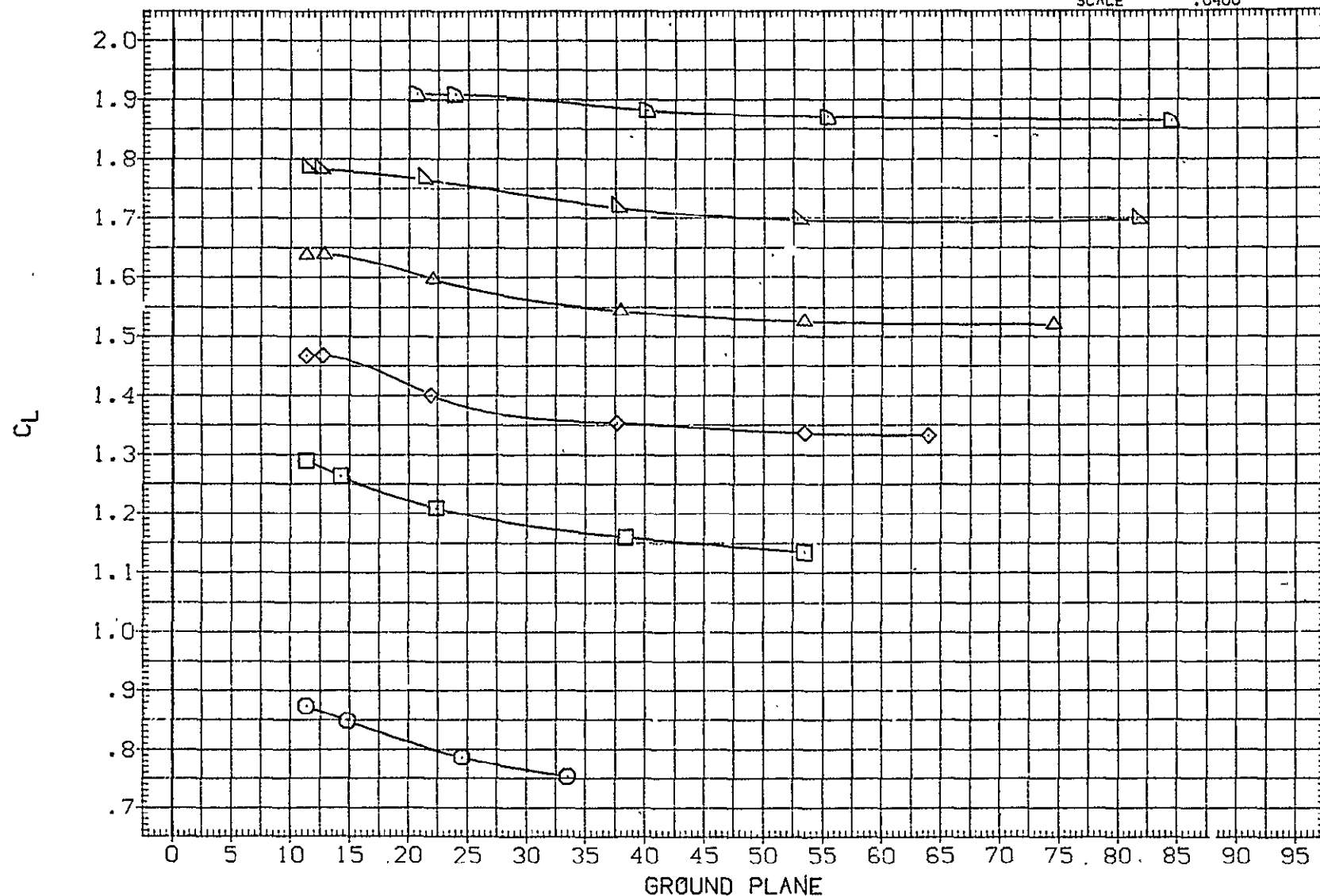


FIG 115 ALT CONFIG IN GROUND PROXIMITY, STAB = -2, FLAPS 30, IORB=6, TC OFF
MAIN BALANCE DATA-GP SWEEPS

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(RJF211)	○	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	.213	6.000	.000	-5.000	SREF	5500.0000	SQ.FT.
(RJF212)	□	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	4.137	6.000	.000	-5.000	LREF	327.8000	IN.
(RJF213)	◇	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	6.140	6.000	.000	-5.000	BREF	2348.0000	IN.
(RJF214)	△	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	8.192	6.000	.000	-5.000	XMRP	1339.9100	IN.XC
(RJF215)	▽	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	10.124	6.000	.000	-5.000	YMRP	.0000	IN.YC
(RJF216)	◻	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	12.123	6.000	.000	-5.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

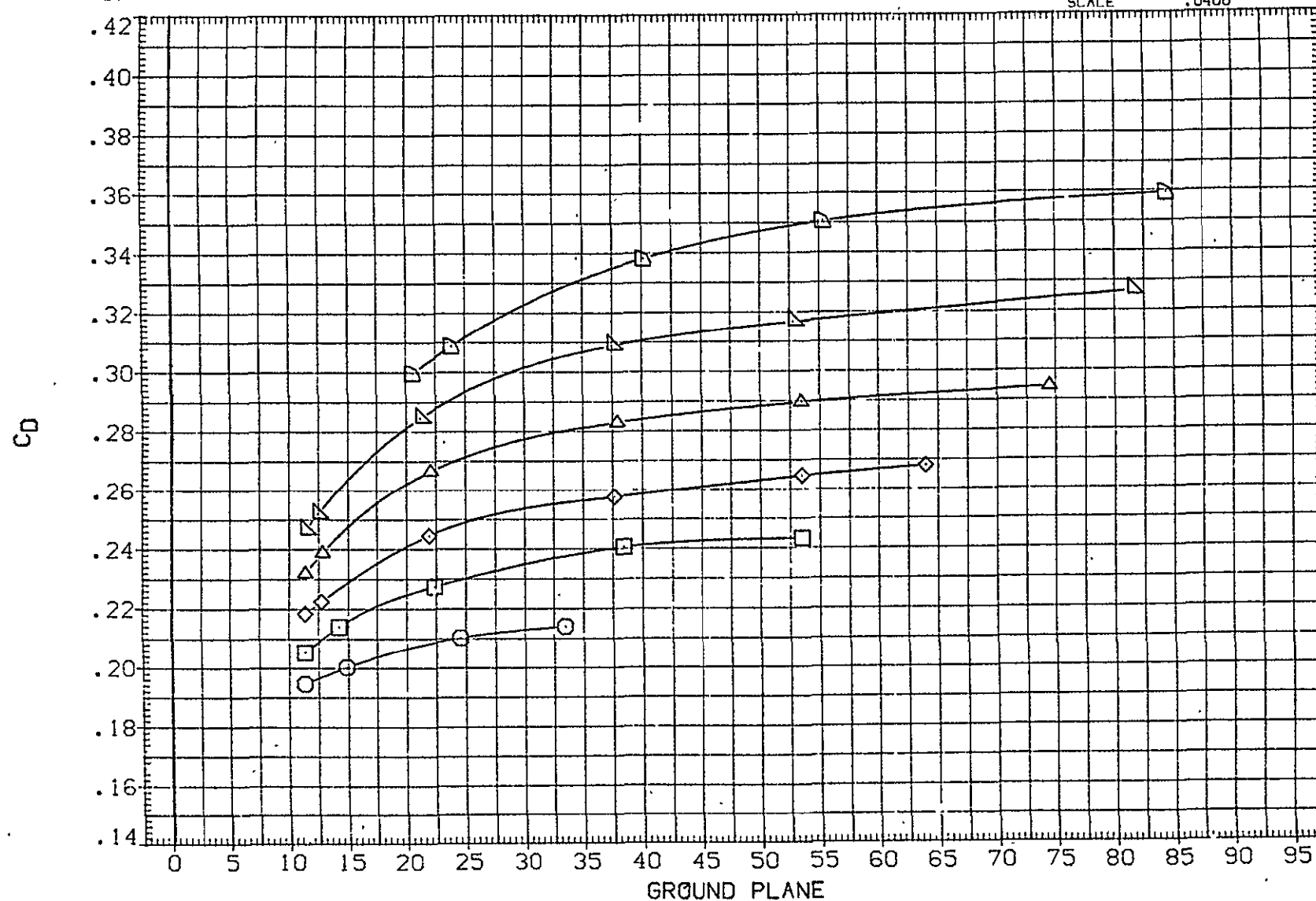


FIG 115 ALT CONFIG IN GROUND PROXIMITY, STAB = -2, FLAPS 30, IORB=6, TC OFF
MAIN BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BOFLAP	ELEVON	REFERENCE INFORMATION		
(RJF211)	○	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	.213	6.000	.000	-5.000	SREF	5500.0000	50.FT.
(RJF212)	□	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	4.137	6.000	.000	-5.000	LREF	327.8000	IN.
(RJF213)	◇	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	6.140	6.000	.300	-5.000	BREF	2348.0000	IN.
(RJF214)	△	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	8.192	6.000	.300	-5.000	XMRP	1339.9100	IN.XC
(RJF215)	▽	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	10.124	6.000	.300	-5.000	YMRP	.0000	IN.YC
(RJF216)	◁	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	12.123	6.000	.300	-5.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

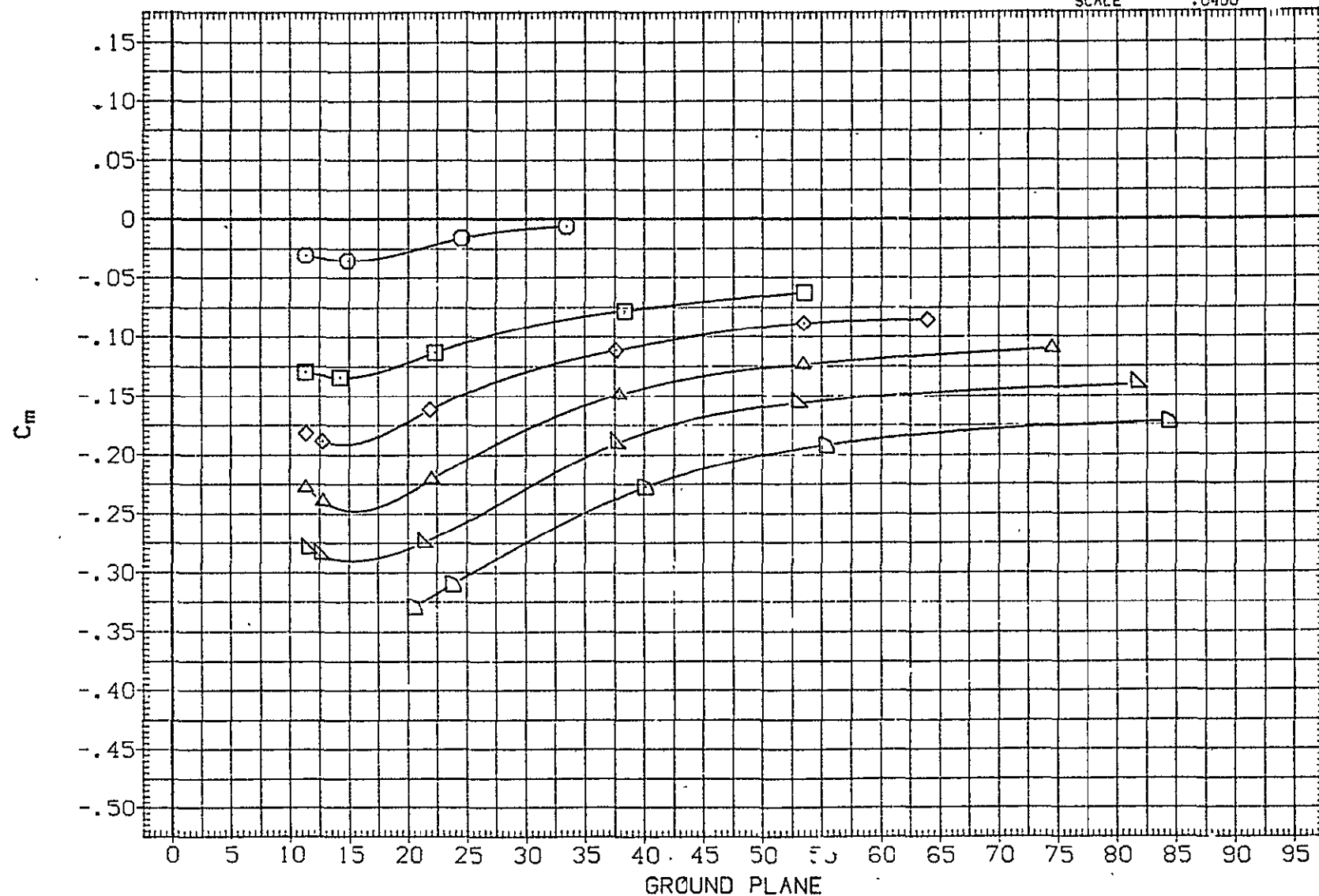


FIG 115 ALT CONFIG IN GROUND PROXIMITY, STAB = -2, FLAPS 30, IORB=6, TC OFF
MAIN BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(RJF235)	□	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	.234	6.000	.000	-5.000	SREF	5500.0000	SQ.FT.
(RJF236)	◇	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	4.036	6.000	.000	-5.000	LREF	327.8000	IN.
(RJF237)	◇	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	6.109	6.000	.000	-5.000	BREF	2348.0000	IN.
(RJF238)	△	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	8.123	6.000	.000	-5.000	XMRP	1339.9100	IN.XC
(RJF239)	△	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	10.152	6.000	.000	-5.000	YMRP	.0000	IN.YC
(RJF240)	△	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	12.091	6.000	.000	-5.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

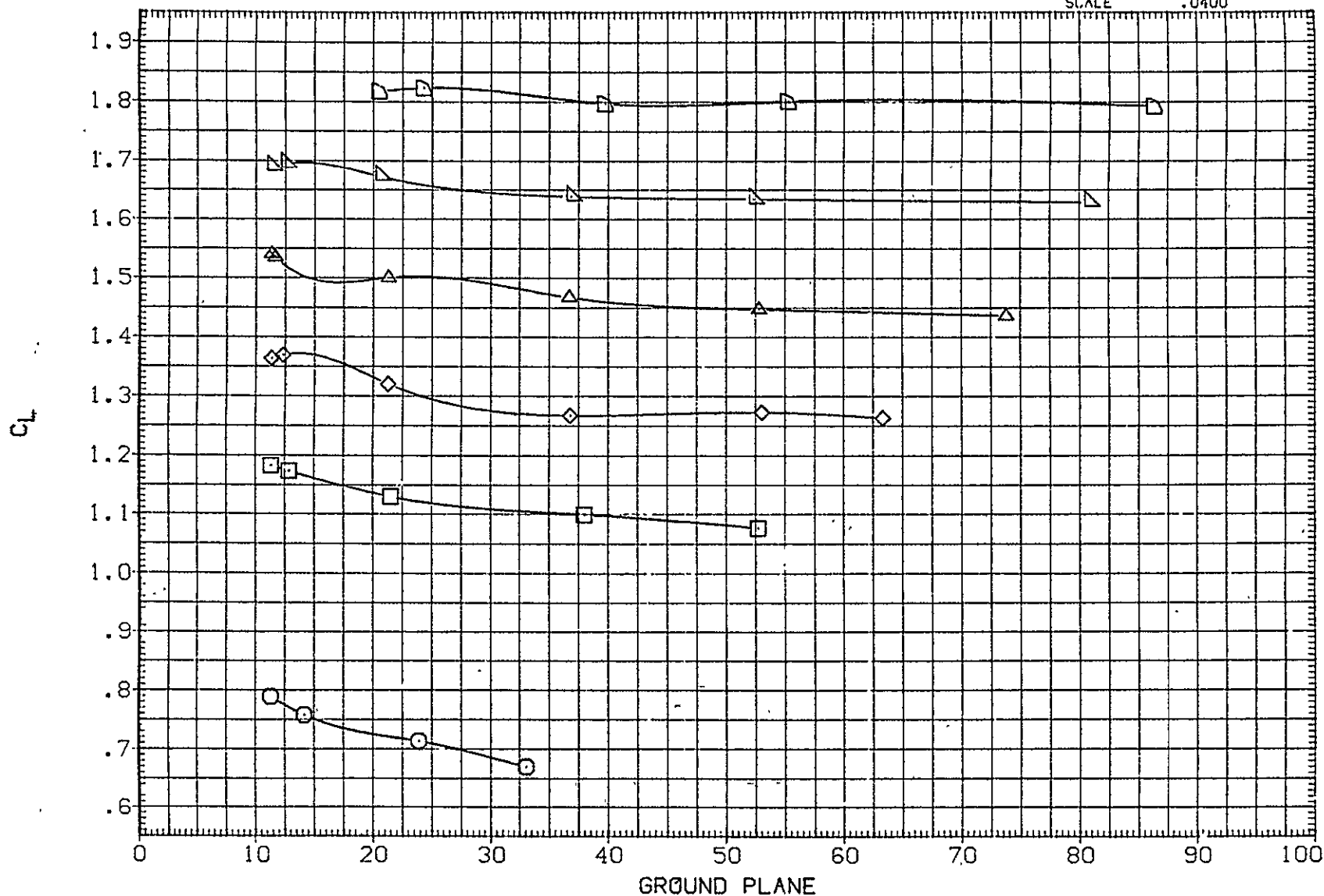


FIG 116 ALT CONFIG IN GROUND PROXIMITY, STAB = 0, ELEVTR=-23, IORB=6, TC OFF
MAIN BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(RJF235)	○	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	.234	6.000	.000	-5.000	SREF	5500.0000	50. FT.
(RJF236)	□	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	4.036	6.000	.000	-5.000	LREF	327.8000	IN.
(RJF237)	◇	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	6.109	6.000	.000	-5.000	BREF	2348.0000	IN.
(RJF238)	△	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	8.123	6.000	.000	-5.000	XMRP	1339.9100	IN. XC
(RJF239)	▽	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	10.152	6.000	.000	-5.000	YMRP	.0000	IN. YC
(RJF240)	▷	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	12.091	6.000	.000	-5.000	ZMRP	190.7500	IN. ZC
							SCALE	.0400	

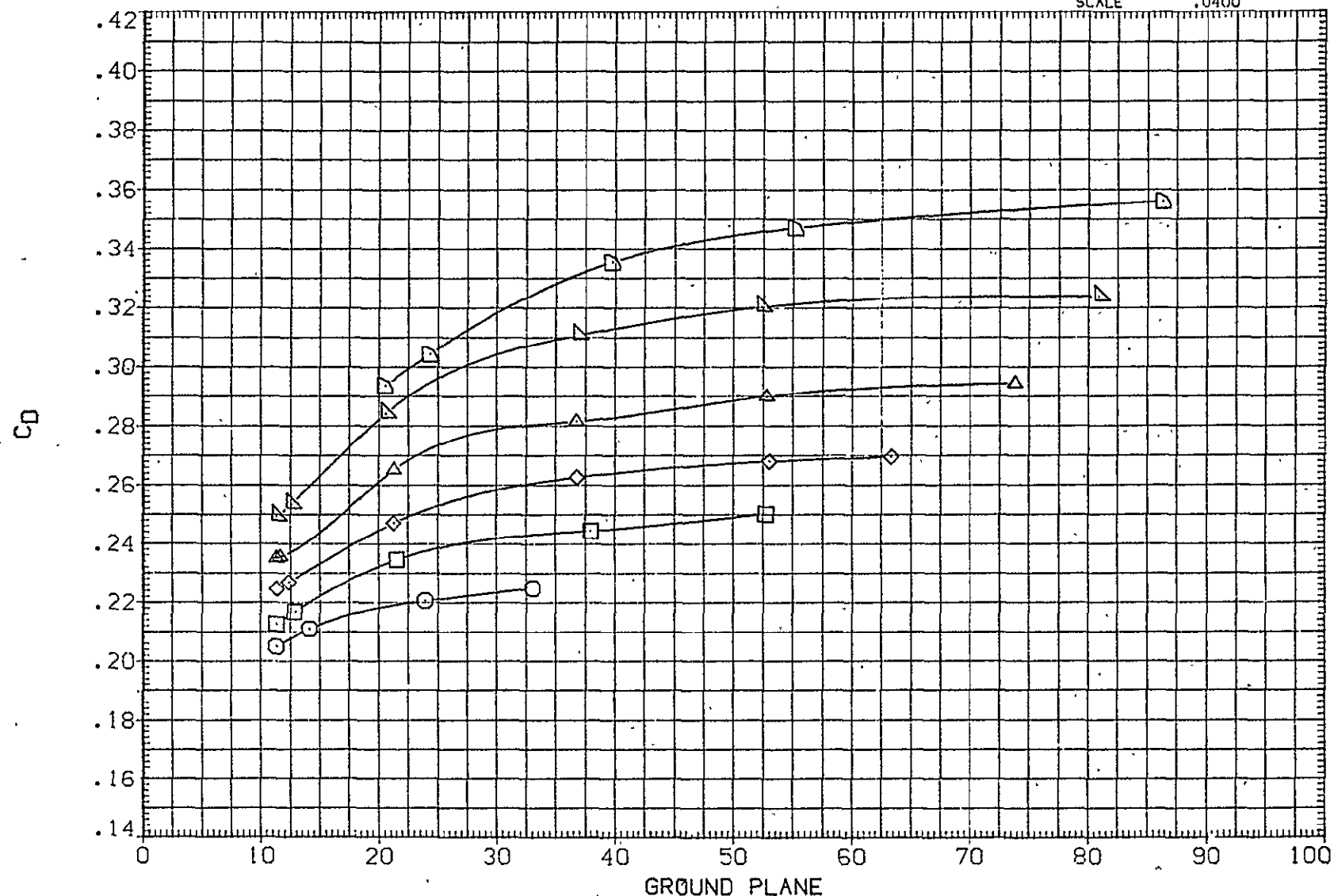


FIG 116 ALT CONFIG IN GROUND PROXIMITY, STAB = 0, ELEVTR=-23, IORB=6, TC OFF
MAIN BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	IORB	BOFLAP	ELEVON	REFERENCE INFORMATION		
(RJF235)	○	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	.234	6.000	.000	-5.000	SREF	5500.0000	50.FT.
(RJF236)	□	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	4.036	6.000	.000	-5.000	LREF	327.8000	IN.
(RJF237)	◇	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	6.109	6.000	.000	-5.000	BREF	2348.0000	IN.
(RJF238)	△	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	8.123	6.000	.000	-5.000	XMRP	1339.9100	IN. XC
(RJF239)	▽	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	10.152	6.000	.000	-5.000	YMRP	.0000	IN. YC
(RJF240)	◻	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	12.091	6.000	.000	-5.000	ZMRP	190.7500	IN. ZC
							SCALE	.0400	

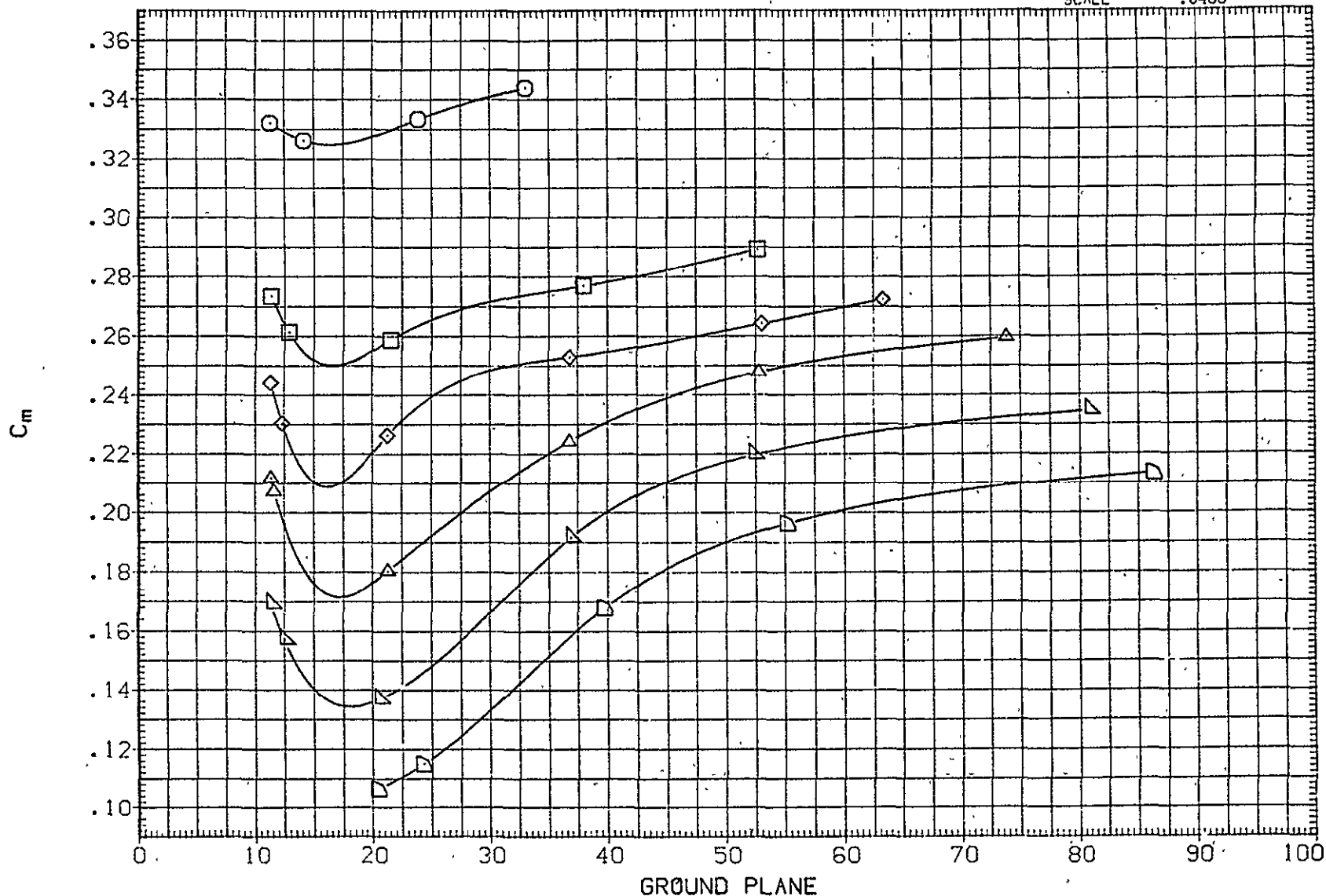


FIG 116 ALT CONFIG IN GROUND PROXIMITY, STAB = .0, ELEVTR=-23, IORB=6, TC OFF
MAIN BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	ICRB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(RJF506)	○	(CA-8) K3.1TS7 F20TS401G5.3.5	.111	8.000	-11.700	-5.000	SREF	5500.0000	50.FT.
(RJF507)	□	(CA-8) K3.1TS7 F20TS401G5.3.5	4.088	8.000	-11.700	-5.000	LREF	327.8000	IN.
(RJF508)	◇	(CA-8) K3.1TS7 F20TS401G5.3.5	6.138	8.000	-11.700	-5.000	BREF	2348.0000	IN.
(RJF509)	△	(CA-8) K3.1TS7 F20TS401G5.3.5	8.116	8.000	-11.700	-5.000	XMRP	1339.9100	IN. XC
							YMRP	.0000	IN. YC
							ZMRP	190.7500	IN. ZC
							SCALE	.0400	

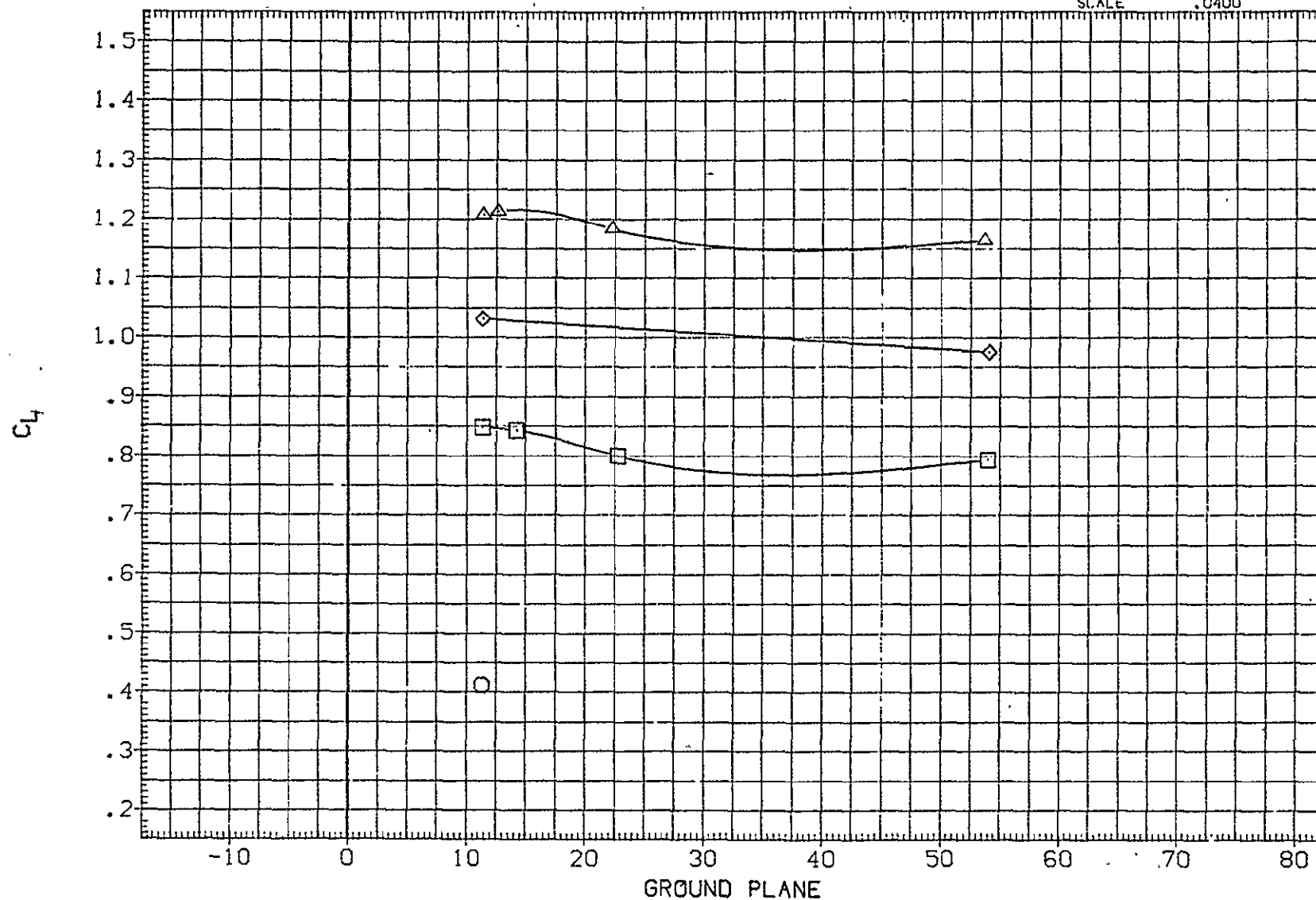


FIG 117 ALT CONFIG IN GROUND PROXIMITY, HORIZ OFF, FLAPS 20, ICRB=8, TC ON
MAIN BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA _W	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(RJF506)	□	(CA-8) K3.1TS7 F20TS401G5.3.5	.111	8.000	-11.700	-5.000	SREF	5500.0000	SQ.FT.
(RJF507)	□	(CA-8) K3.1TS7 F20TS401G5.3.5	4.088	8.000	-11.700	-5.000	LREF	327.8000	IN.
(RJF508)	◇	(CA-8) K3.1TS7 F20TS401G5.3.5	6.138	8.000	-11.700	-5.000	BREF	2348.0000	IN.
(RJF509)	△	(CA-8) K3.1TS7 F20TS401G5.3.5	8.116	8.000	-11.700	-5.000	XMRP	1339.9100	IN.XC
							YMRP	.0000	IN.YC
							ZMRP	190.7500	IN.ZC
							SCALE	.0400	

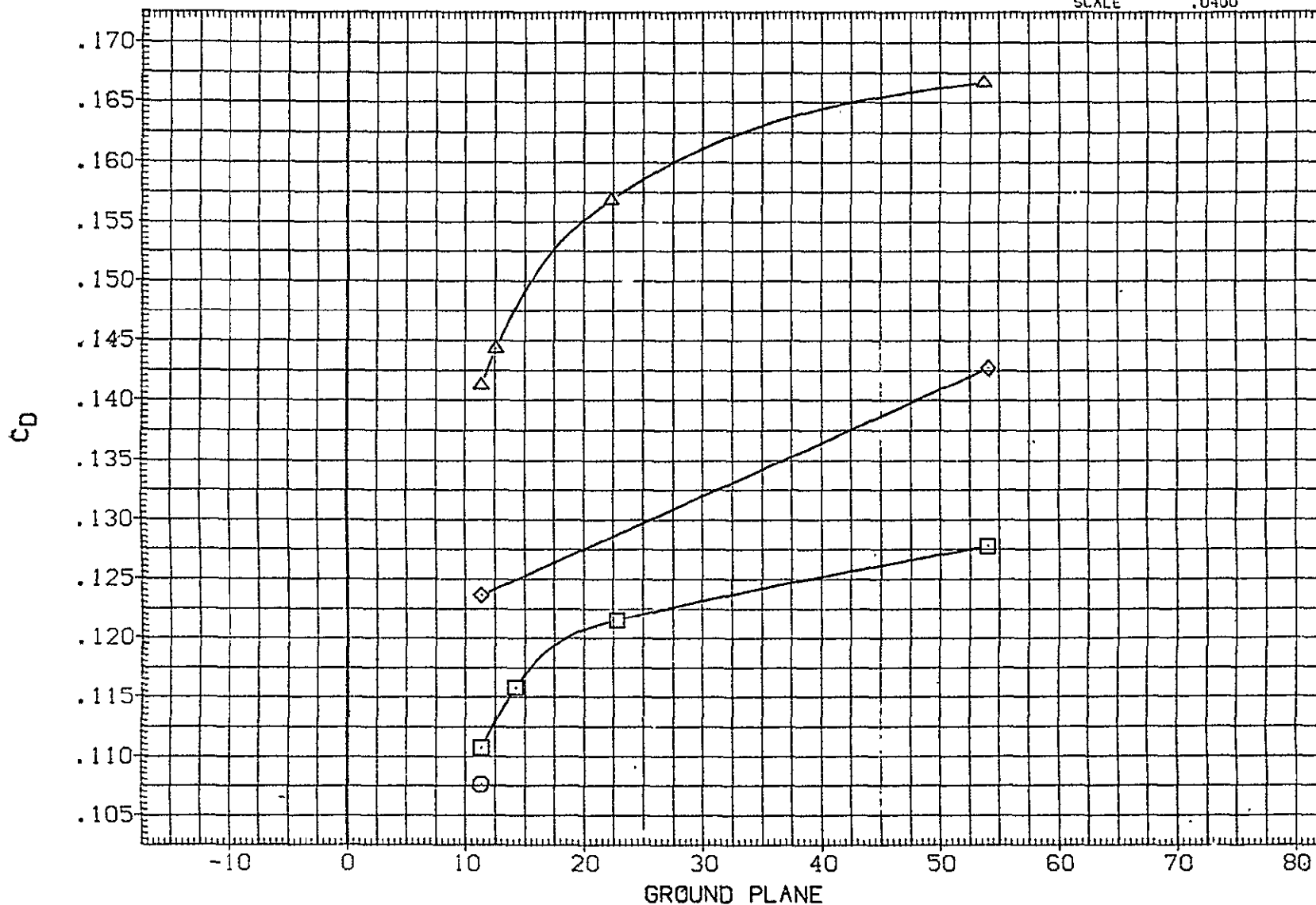


FIG 117 ALT CONFIG IN GROUND PROXIMITY, HORIZ OFF, FLAPS 20, IORB=8, TC ON
MAIN BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(RJF506)	□	(CA-8) K3.1TS7 F20TS40165.3.5	.111	8.000	-11.700	-5.000	SREF	5500.0000	50. FT.
(RJF507)	□	(CA-8) K3.1TS7 F20TS40165.3.5	4.088	8.000	-11.700	-5.000	LREF	327.8000	IN.
(RJF508)	◇	(CA-8) K3.1TS7 F20TS40165.3.5	6.138	8.000	-11.700	-5.000	BREF	2348.0000	IN.
(RJF509)	△	(CA-8) K3.1TS7 F20TS40165.3.5	8.116	8.000	-11.700	-5.000	XMRP	1339.9100	IN. XC
							YMRP	.0000	IN. YC
							ZMRP	190.7500	IN. ZC
							SCALE	.0400	

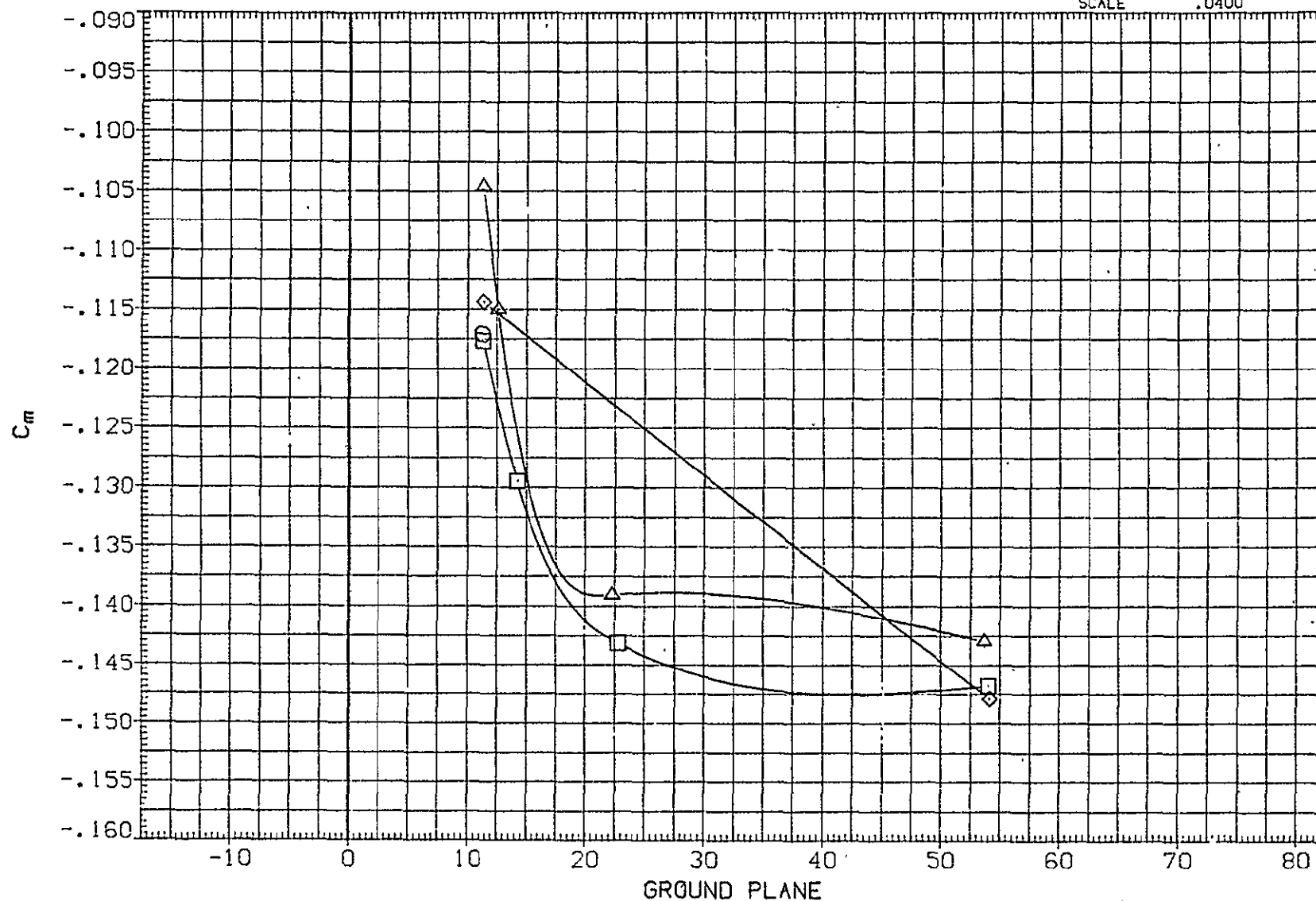


FIG 117 ALT CONFIG IN GROUND PROXIMITY, HORIZ OFF, FLAPS 20, IORB=8, TC ON
MAIN BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(RJF500)	□	(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5	.171	8.000	-11.700	-5.000	SREF	5500.0000	SQ.FT.
(RJF501)	◇	(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5	4.131	8.000	-11.700	-5.000	LREF	327.8000	IN.
(RJF502)	△	(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5	6.158	8.000	-11.700	-5.000	BREF	2348.0000	IN.
(RJF503)	▽	(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5	8.117	8.000	-11.700	-5.000	XM RP	1339.9100	IN.XC
(RJF504)	◻	(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5	10.134	8.000	-11.700	-5.000	YM RP	.0000	IN.YC
(RJF505)	◻	(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5	12.118	8.000	-11.700	-5.000	ZM RP	190.7500	IN.ZC
							SCALE	.0400	

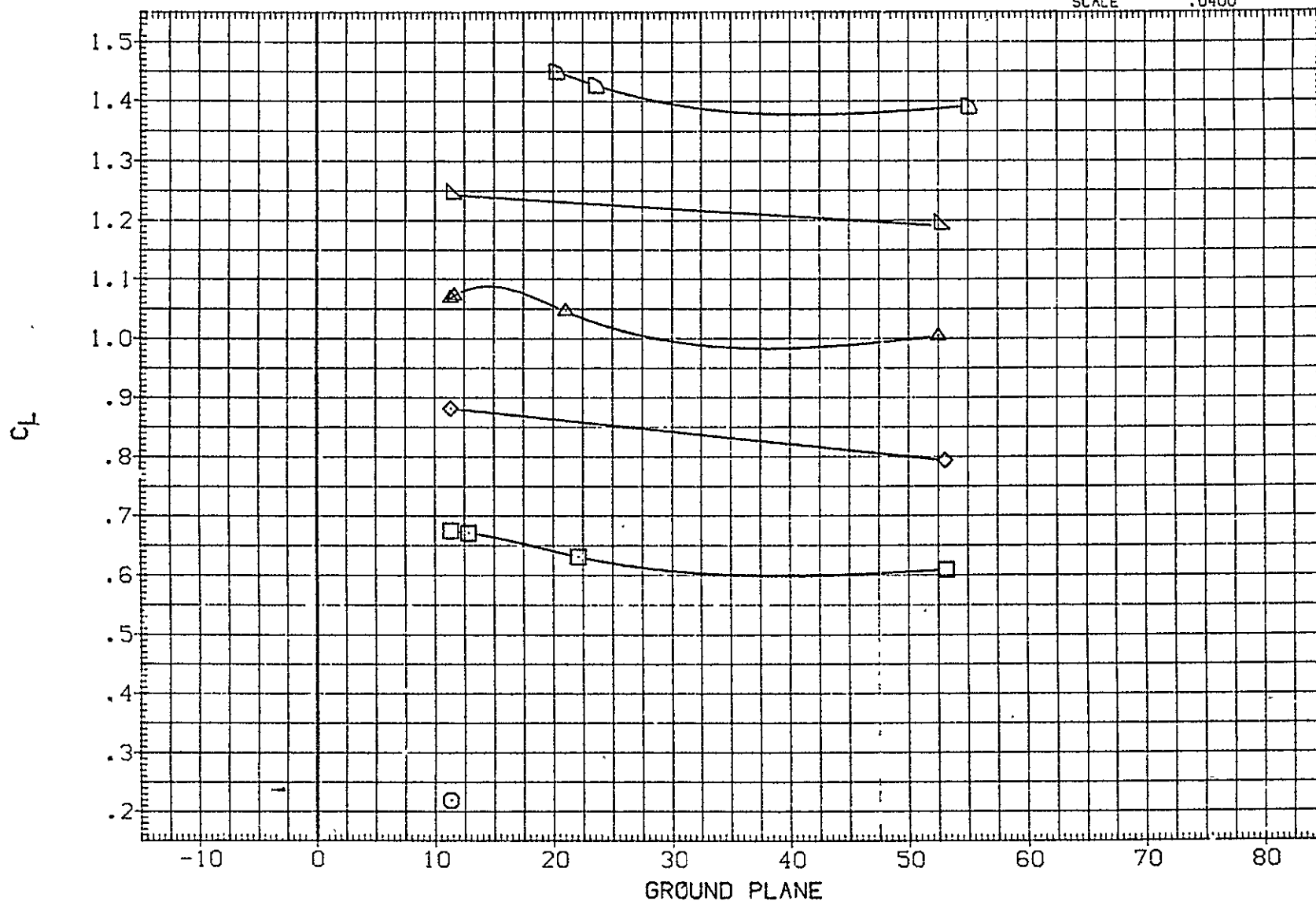


FIG 118 ALT CONFIG IN GROUND PROXIMITY, STAB = 0, ELEVTR=-23, IORB=8, TC ON
MAIN BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA _W	IORB	QDFLAP	ELEVON	REFERENCE INFORMATION		
(RJF500)	○	(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5	.171	8.000	-1.700	-5.000	SREF	5500.0000	SQ.FT.
(RJF501)	◇	(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5	4.131	8.000	-1.700	-5.000	LREF	327.8000	IN.
(RJF502)	□	(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5	6.158	8.000	-1.700	-5.000	BREF	2348.0000	IN.
(RJF503)	△	(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5	8.117	8.000	-1.700	-5.000	XMRP	1339.9100	IN.XC
(RJF504)	▽	(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5	10.134	8.000	-1.700	-5.000	YMRP	.0000	IN.YC
(RJF505)	▷	(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5	12.118	8.000	-1.700	-5.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

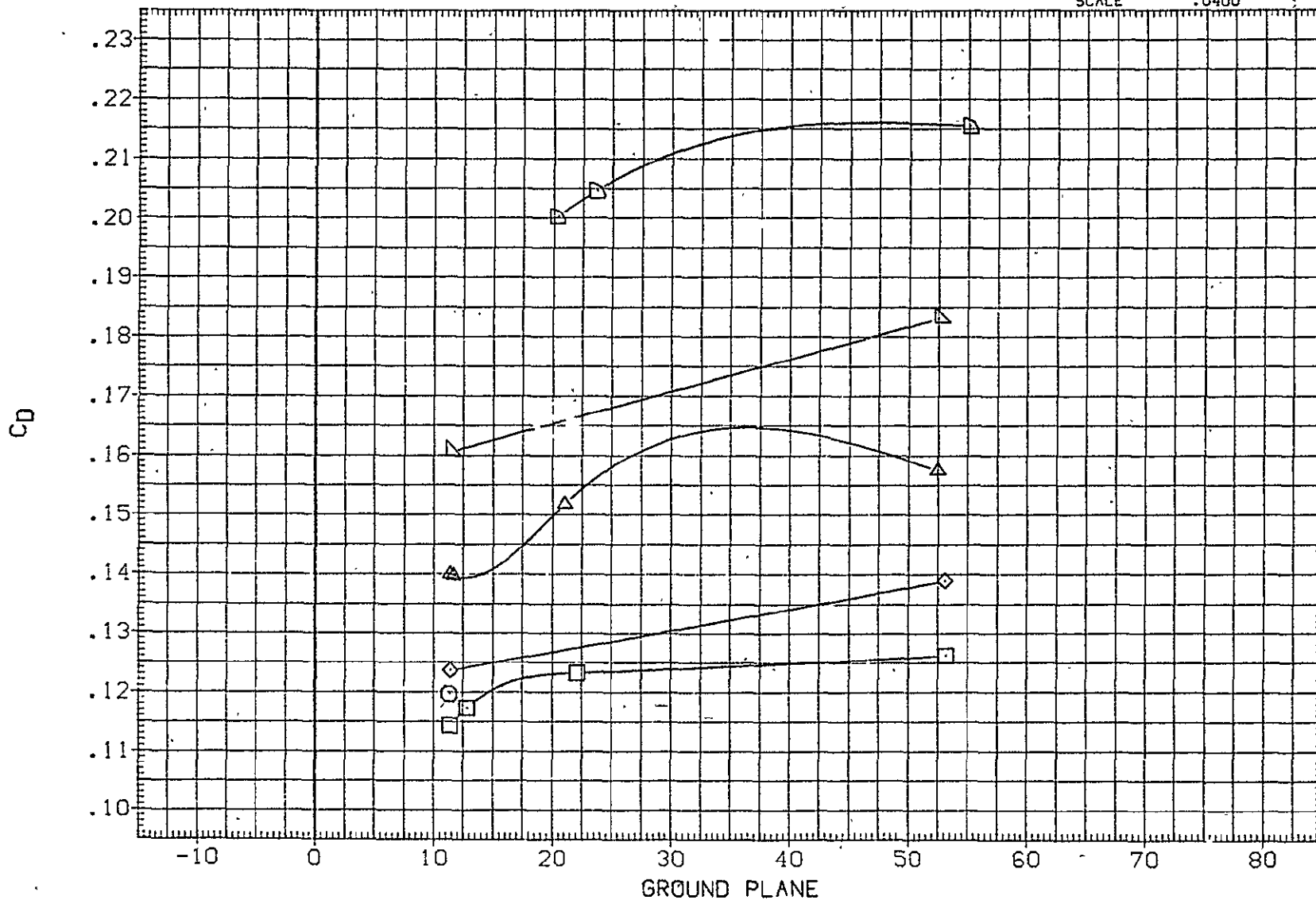


FIG 118 ALT CONFIG IN GROUND PROXIMITY, STAB = 0, ELEVTR=-23, IORB=8, TC ON
MAIN BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(RJF500)	○	(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5	.171	8.000	-11.700	-5.000	SREF	5500.0000	50.FT.
(RJF501)	□	(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5	4.131	8.000	-11.700	-5.000	LREF	327.8000	IN.
(RJF502)	◇	(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5	6.158	8.000	-11.700	-5.000	BREF	2348.0000	IN.
(RJF503)	△	(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5	8.117	8.000	-11.700	-5.000	XMRF	1339.9100	IN.XC
(RJF504)	▽	(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5	10.134	8.000	-11.700	-5.000	YMRF	.0000	IN.YC
(RJF505)	◊	(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5	12.118	8.000	-11.700	-5.000	ZMRF	190.7500	IN.ZC
							SCALE	.0400	

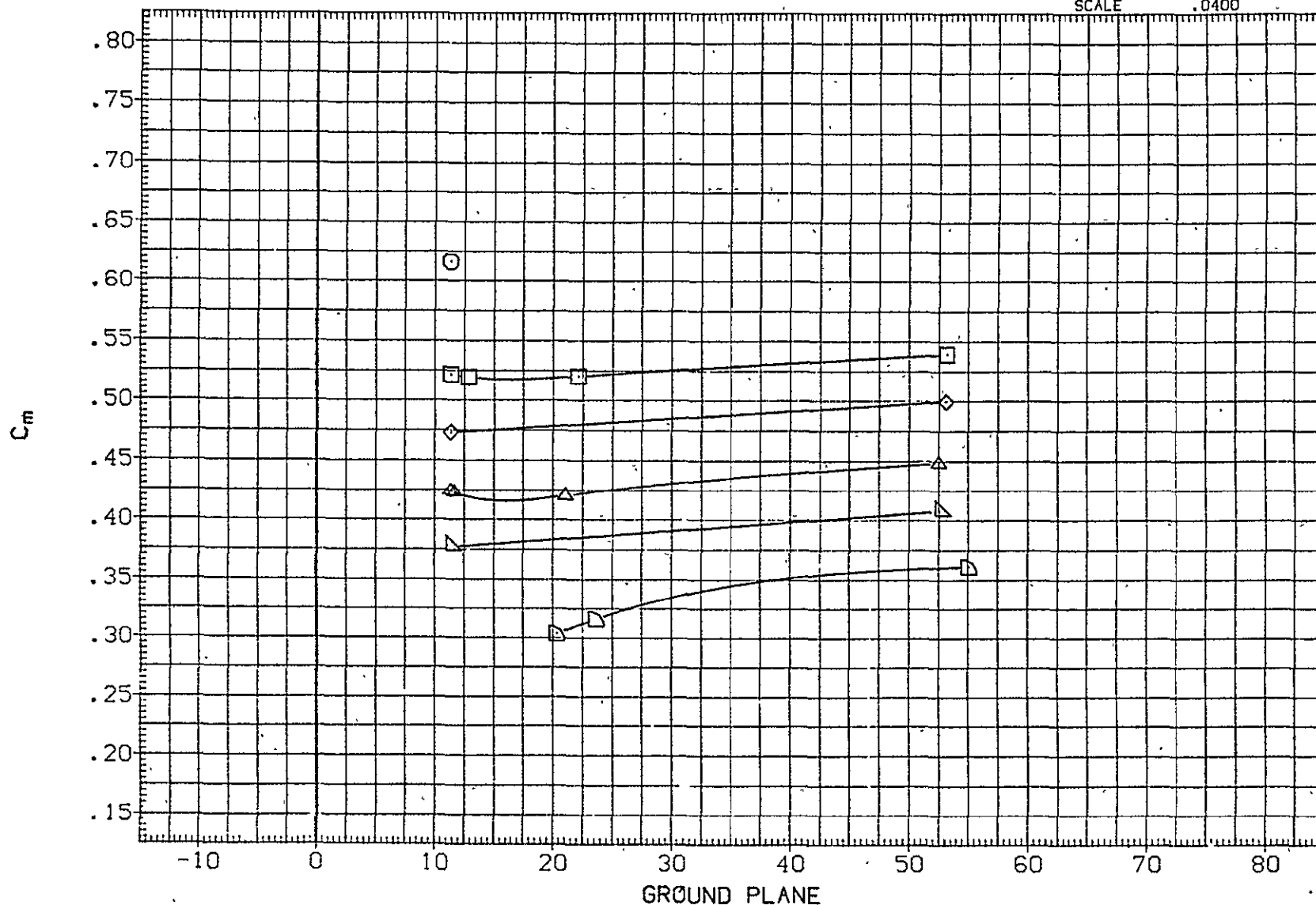


FIG 118 ALT CONFIG IN GROUND PROXIMITY, STAB = 0, ELEVTR=-23, IORB=8, TC ON
MAIN BALANCE DATA-GP SWEEPS

(A)MACH = .15

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DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
{RJF291}	□	{CA-8} K3.1TS7 F30TS40165.3.5	.231	8.000	-11.700	-5.000	SREF	5500.0000	SQ.FT.
{RJF292}	○	{CA-8} K3.1TS7 F30TS40165.3.5	4.088	8.000	-11.700	-5.000	LREF	327.8000	IN.
{RJF293}	◇	{CA-8} K3.1TS7 F30TS40165.3.5	6.232	8.000	-11.700	-5.000	BREF	2348.0000	IN.
{RJF294}	△	{CA-8} K3.1TS7 F30TS40165.3.5	8.170	8.000	-11.700	-5.000	XMRP	1339.9100	IN.XC
{RJF295}	▽	{CA-8} K3.1TS7 F30TS40165.3.5	10.141	8.000	-11.700	-5.000	YMRP	.0000	IN.YC
{RJF296}	▷	{CA-8} K3.1TS7 F30TS40165.3.5	12.141	8.000	-11.700	-5.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

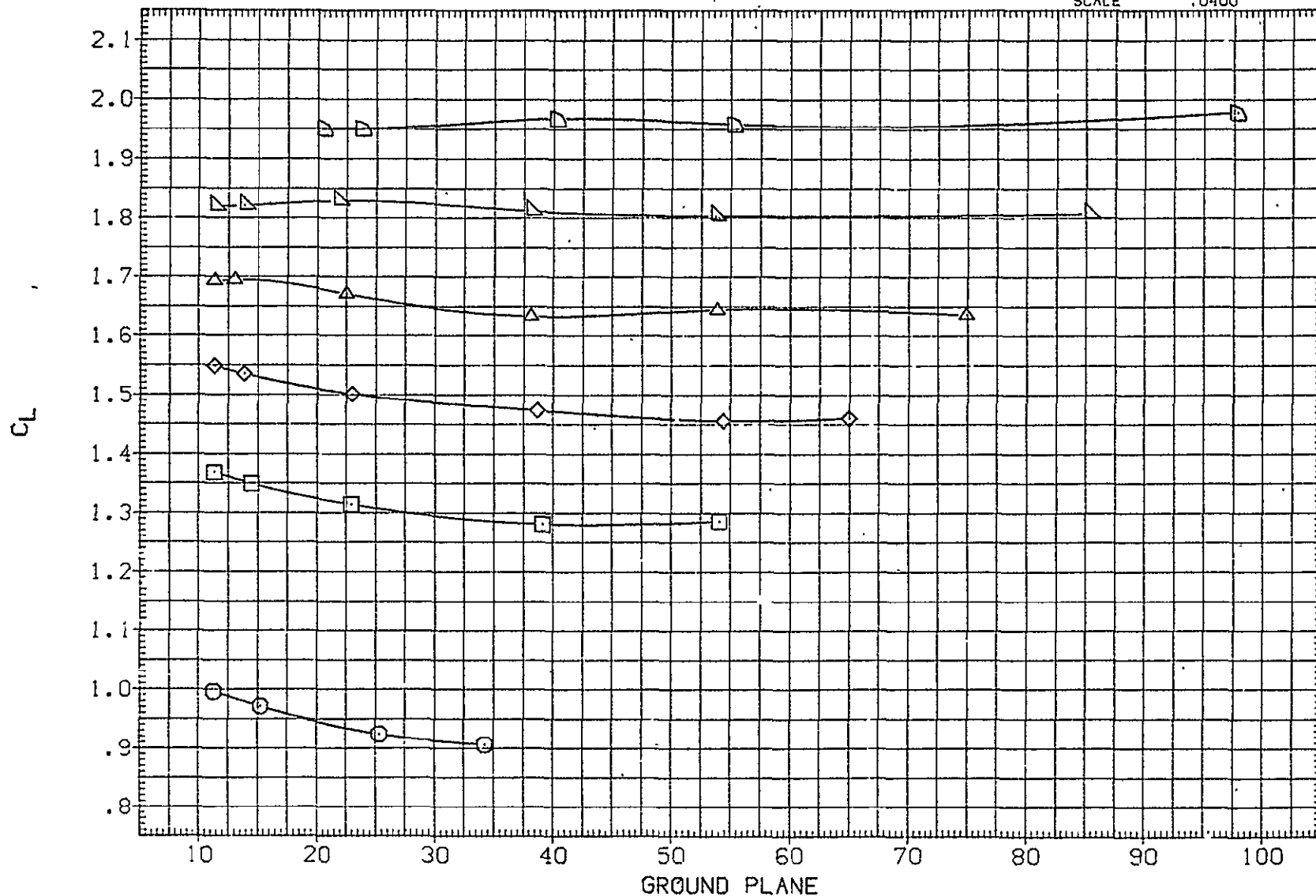


FIG 119 ALT CONFIG IN GROUND PROXIMITY, HORIZ OFF, FLAPS 30, IORB=8, TC ON
MAIN BALANCE DATA-GP SWEEPS

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(RJF291)	□	(CA-8) K3.1TS7 F30TS401G5.3.5	.231	8.000	-11.700	-5.000	SREF	5500.0000	50.FT.
(RJF292)	◇	(CA-8) K3.1TS7 F30TS401G5.3.5	4.088	8.000	-11.700	-5.000	LREF	327.8000	IN.
(RJF293)	◇	(CA-8) K3.1TS7 F30TS401G5.3.5	6.232	8.000	-11.700	-5.000	BREF	2348.0000	IN.
(RJF294)	△	(CA-8) K3.1TS7 F30TS401G5.3.5	8.170	8.000	-11.700	-5.000	XMRF	1339.9100	IN.XC
(RJF295)	△	(CA-8) K3.1TS7 F30TS401G5.3.5	10.141	8.000	-11.700	-5.000	YMRF	.0000	IN.YC
(RJF296)	△	(CA-8) K3.1TS7 F30TS401G5.3.5	12.141	8.000	-11.700	-5.000	ZMRF	190.7500	IN.ZC
							SCALE	.0400	

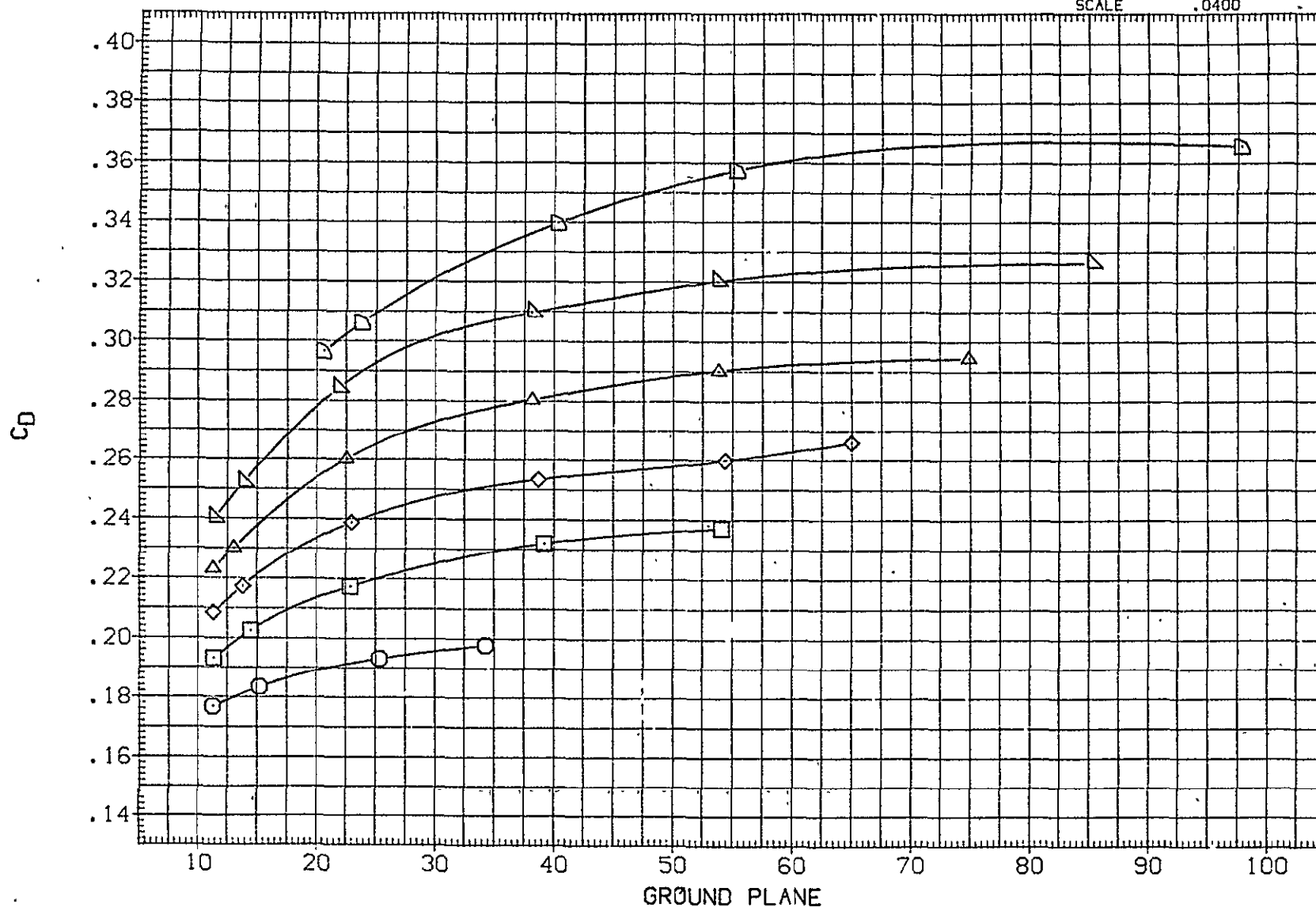


FIG 119 ALT CONFIG IN GROUND PROXIMITY, HORIZ OFF. FLAPS 30, IORB=8, TC ON
MAIN BALANCE DATA-GP SWEEPS

(A)MACH = .16

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DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(RJF291)	□	(CA-8) K3.1TS7 F30TS40165.3.5	.231	8.000	-11.700	-5.000	SREF	5500.0000	50.FT.
(RJF292)	□	(CA-8) K3.1TS7 F30TS40165.3.5	4.088	8.000	-11.700	-5.000	LREF	327.8000	IN.
(RJF293)	◇	(CA-8) K3.1TS7 F30TS40165.3.5	6.232	8.000	-11.700	-5.000	BREF	2348.0000	IN.
(RJF294)	◇	(CA-8) K3.1TS7 F30TS40165.3.5	8.170	8.000	-11.700	-5.000	XMRP	1339.9100	IN.XC
(RJF295)	◇	(CA-8) K3.1TS7 F30TS40165.3.5	10.141	8.000	-11.700	-5.000	YMRP	.0000	IN.YC
(RJF296)	◇	(CA-8) K3.1TS7 F30TS40165.3.5	12.141	8.000	-11.700	-5.000	ZMRP	190.7500	IN.ZC
							SCALE	.0100	

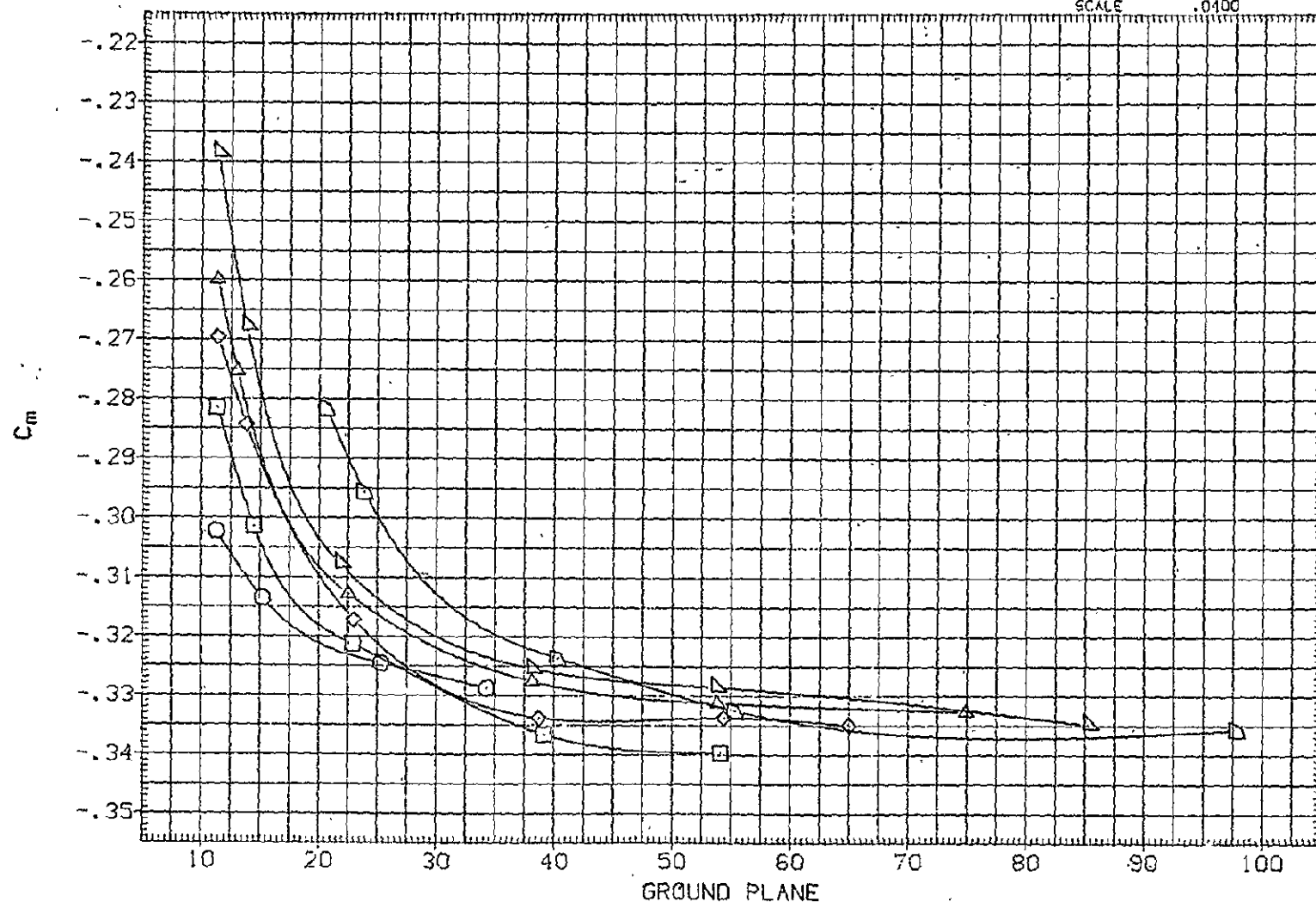


FIG 119 ALT CONFIG IN GROUND PROXIMITY, HORIZ OFF, FLAPS 30, IORB=8. TC ON
 MAIN BALANCE DATA-GP SWEEPS
 (A)MACH = .16

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(RJF285)	○	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	.120	8.000	-11.700	-5.000	SREF	5500.0000	SQ.FT.
(RJF286)	□	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	4.113	8.000	-11.700	-5.000	LREF	327.8000	IN.
(RJF287)	◇	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	6.125	8.000	-11.700	-5.000	BREF	2348.0000	IN.
(RJF288)	△	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	8.199	8.000	-11.700	-5.000	XMRP	1339.9100	IN.XC
(RJF289)	▽	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	10.130	8.000	-11.700	-5.000	YMRP	.0000	IN.YC
(RJF290)	◻	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	12.171	8.000	-11.700	-5.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

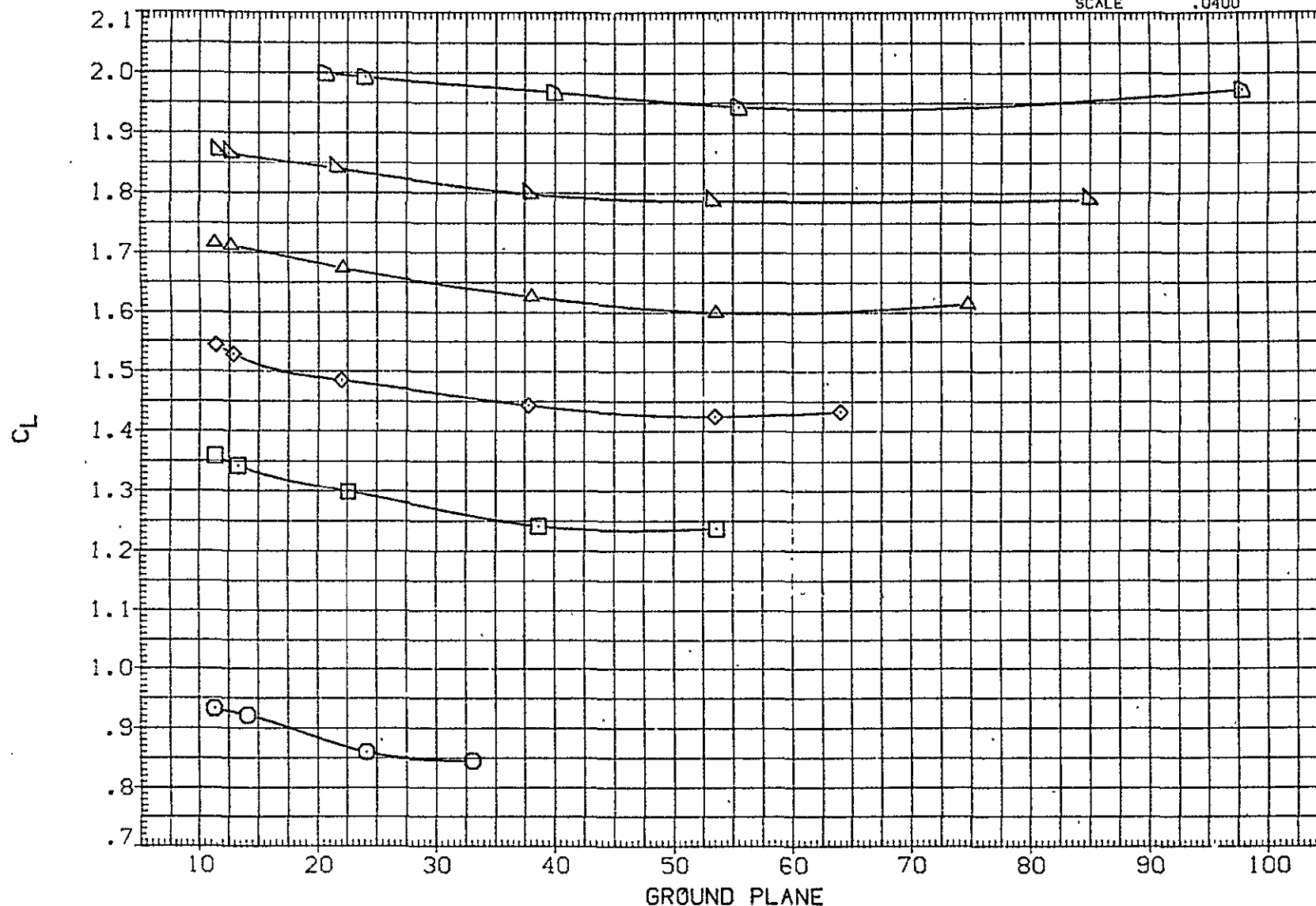


FIG 120 ALT CONFIG IN GROUND PROXIMITY, STAB = 2, FLAPS 30, IORB=8, TC ON
MAIN BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA W	IORB	BD FLAP	ELEVON	REFERENCE INFORMATION		
(RJF285)	○	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	.120	8.000	-11.700	-5.000	SREF	5500.0000	50.FT.
(RJF286)	□	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	4.113	8.000	-11.700	-5.000	LREF	327.8000	IN.
(RJF287)	◇	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	6.125	8.000	-11.700	-5.000	BREF	2348.0000	IN.
(RJF288)	△	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	8.199	8.000	-11.700	-5.000	XMRP	1339.9100	IN.XC
(RJF289)	▽	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	10.130	8.000	-11.700	-5.000	YMRP	.0000	IN.YC
(RJF290)	◁	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	12.171	8.000	-11.700	-5.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

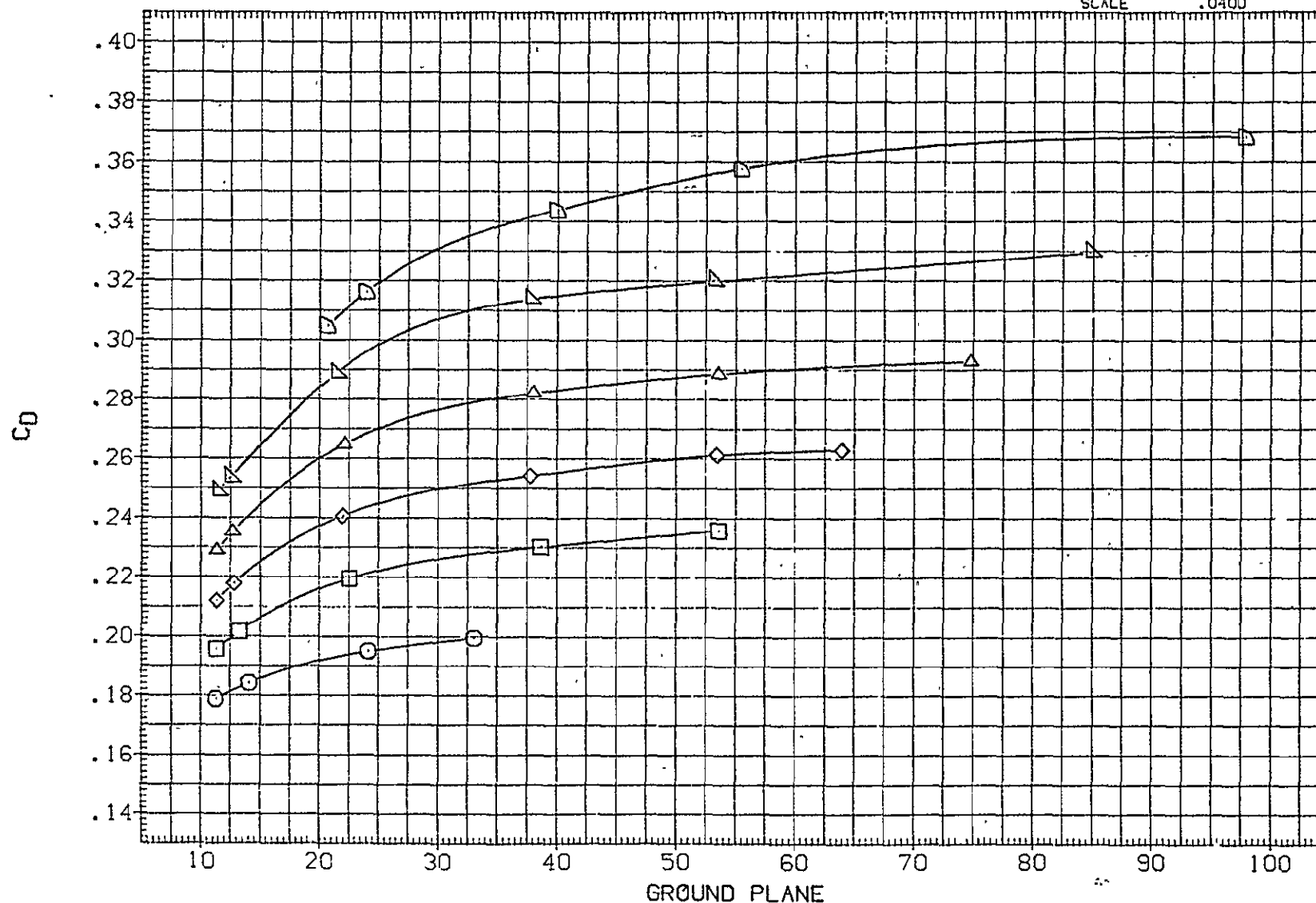


FIG 120 ALT CONFIG IN GROUND PROXIMITY, STAB = 2, FLAPS 30, IORB=8, TC ON
MAIN BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(RJF285)	○	(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5	.120	8.000	-11.700	-5.000	SREF	5500.0000	SQ.FT.
(RJF286)	□	(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5	4.113	8.000	-11.700	-5.000	LREF	327.8000	IN.
(RJF287)	◇	(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5	6.125	8.000	-11.700	-5.000	BREF	2348.0000	IN.
(RJF288)	△	(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5	8.199	8.000	-11.700	-5.000	XMRP	1339.9100	IN.XC
(RJF289)	▽	(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5	10.130	8.000	-11.700	-5.000	YMRP	.0000	IN.YC
(RJF290)	▷	(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5	12.171	8.000	-11.700	-5.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

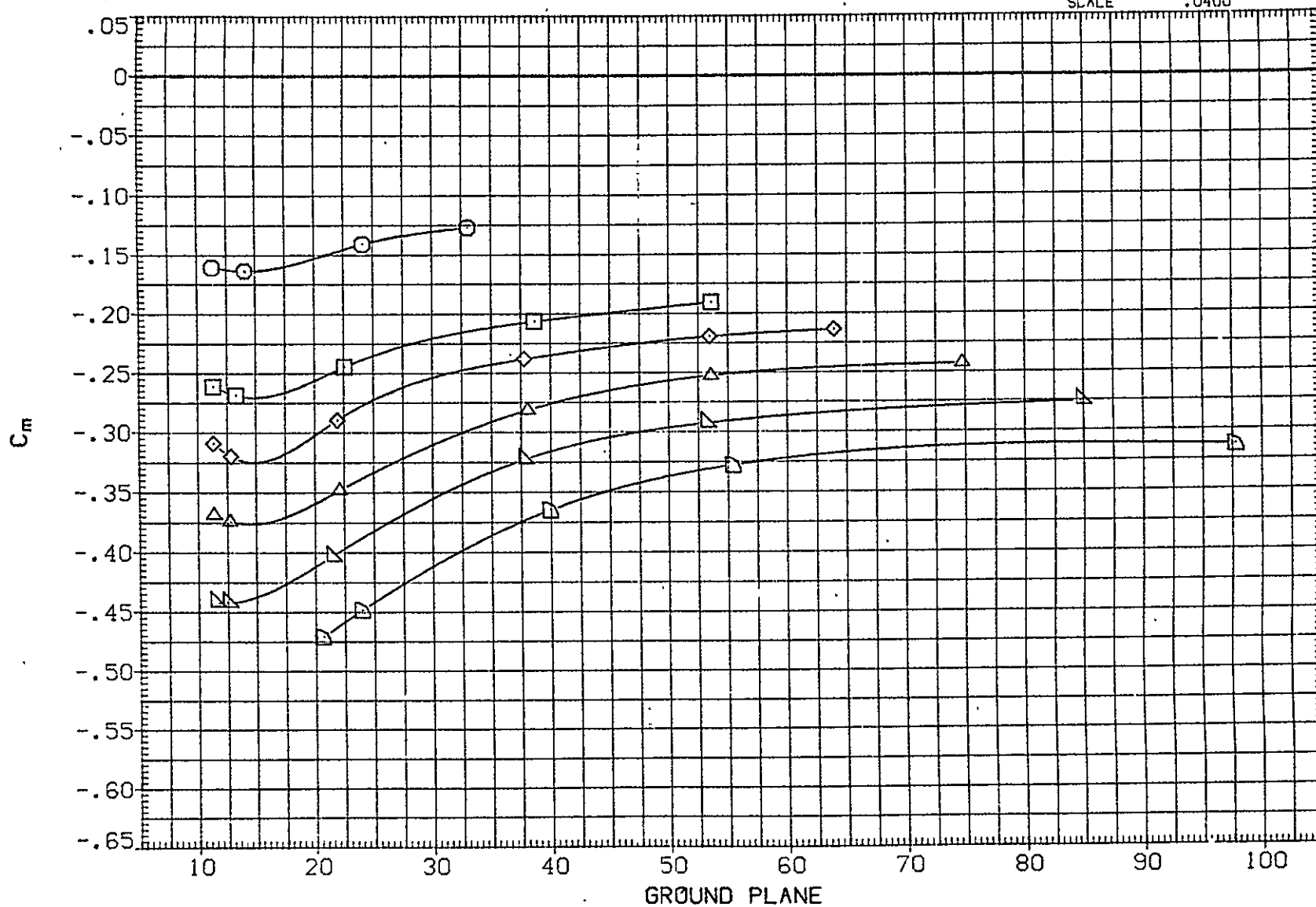


FIG 120 ALT CONFIG IN GROUND PROXIMITY, STAB = 2, FLAPS 30, IORB=8, TC ON
MAIN BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA _W	I _{ORB}	BD _{FLAP}	ELEVON	REFERENCE INFORMATION		
(RJF273)	○	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	.208	8.000	-11.700	-5.000	SREF	5500.0000	SQ.FT.
(RJF274)	□	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	4.170	8.000	-11.700	-5.000	LREF	327.8000	IN.
(RJF275)	◇	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	6.144	8.000	-11.700	-5.000	BREF	2348.0000	IN.
(RJF276)	△	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	8.179	8.000	-11.700	-5.000	XMRP	1339.9100	IN.XC
(RJF277)	▽	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	10.178	8.000	-11.700	-5.000	YMRP	.0000	IN.YC
(RJF278)	▷	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	12.184	8.000	-11.700	-5.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

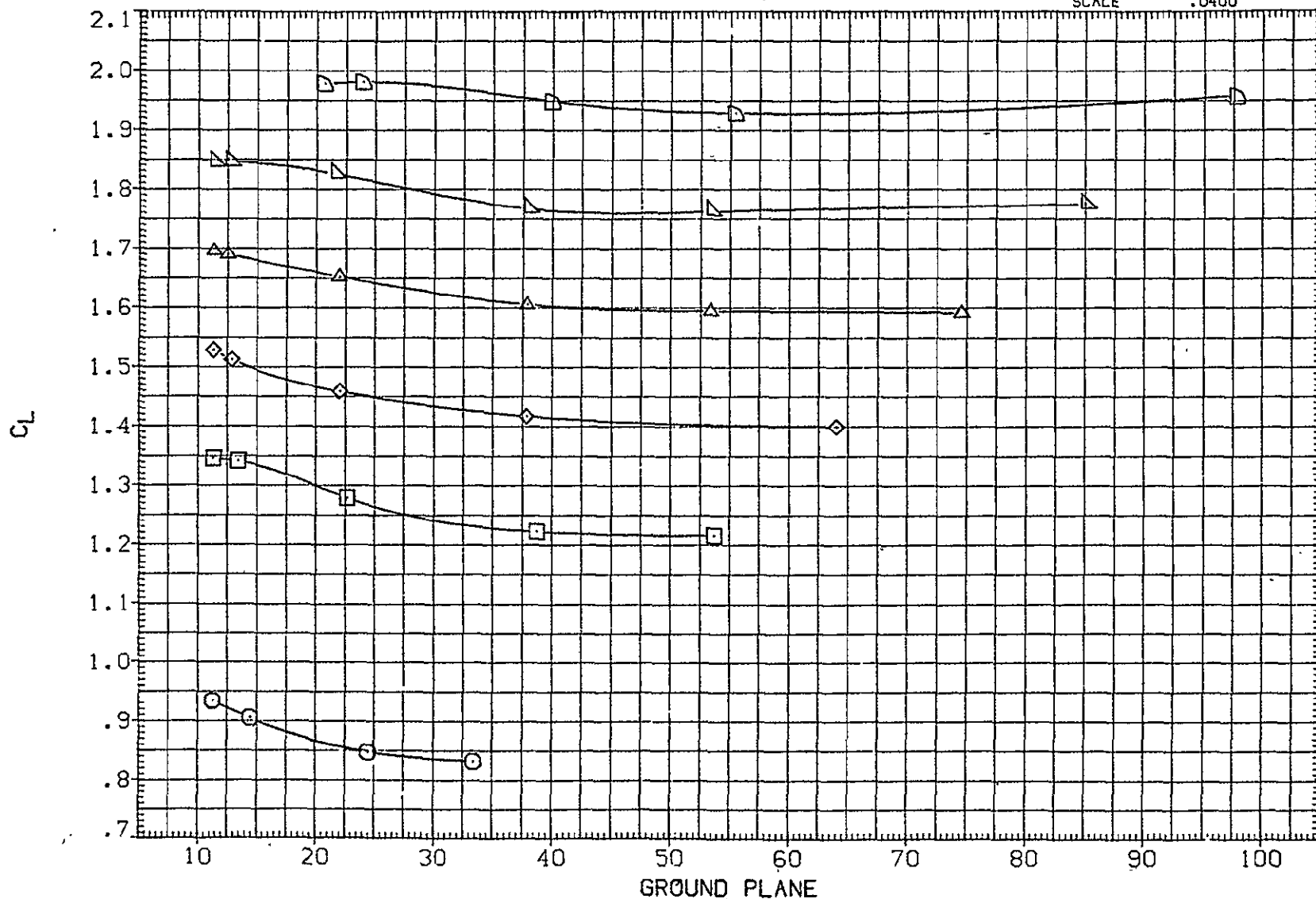


FIG 121 ALT CONFIG IN GROUND PROXIMITY, STAB = 0, FLAPS 30, I_{ORB}=8, TC ON
MAIN BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(RJF273)	○	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	.208	8.000	-11.700	-5.000	SREF	5500.0000	50.FT.
(RJF274)	□	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	4.170	8.000	-11.700	-5.000	LREF	327.8000	IN.
(RJF275)	◇	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	6.144	8.000	-11.700	-5.000	BREF	2348.0000	IN.
(RJF276)	△	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	8.179	8.000	-11.700	-5.000	XMRP	1339.9100	IN.XC
(RJF277)	▽	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	10.178	8.000	-11.700	-5.000	YMRP	.0000	IN.YC
(RJF278)	◁	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	12.184	8.000	-11.700	-5.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

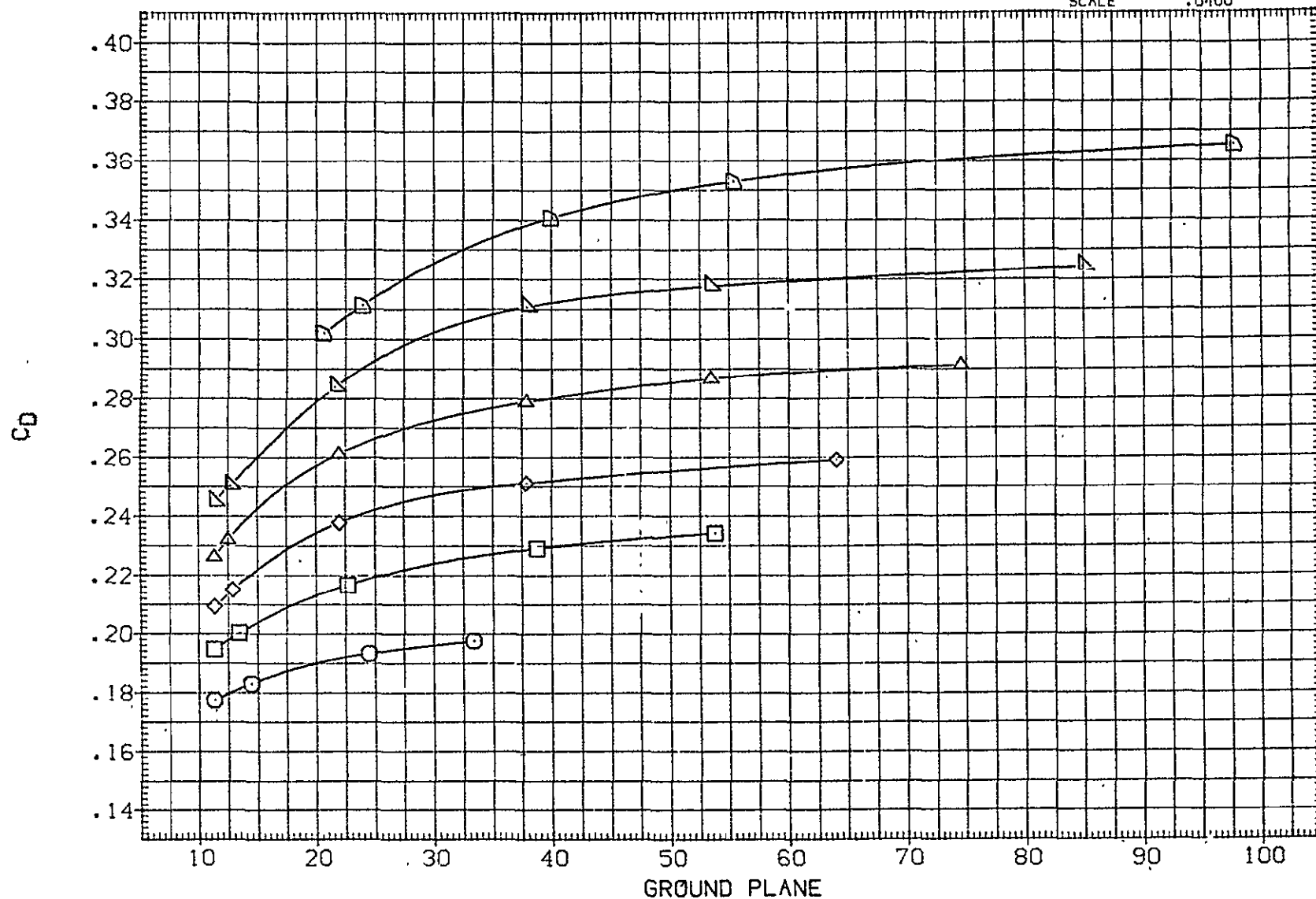


FIG 121 ALT CONFIG IN GROUND PROXIMITY, STAB = 0, FLAPS 30, IORB=8, TC ON
MAIN BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA _W	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(RJF273)	○	(CA-8) K3.1TS7H15.6.1F30TS40165.3.5	.208	8.000	-11.700	-5.000	SREF	5500.0000	SQ.FT.
(RJF274)	□	(CA-8) K3.1TS7H15.6.1F30TS40165.3.5	4.170	8.000	-11.700	-5.000	LREF	327.8000	IN.
(RJF275)	◇	(CA-8) K3.1TS7H15.6.1F30TS40165.3.5	6.144	8.000	-11.700	-5.000	BREF	2348.0000	IN.
(RJF276)	△	(CA-8) K3.1TS7H15.6.1F30TS40165.3.5	8.179	8.000	-11.700	-5.000	XMRP	1339.9100	IN.XC
(RJF277)	▽	(CA-8) K3.1TS7H15.6.1F30TS40165.3.5	10.178	8.000	-11.700	-5.000	YMRP	.0000	IN.YC
(RJF278)	◁	(CA-8) K3.1TS7H15.6.1F30TS40165.3.5	12.184	8.000	-11.700	-5.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

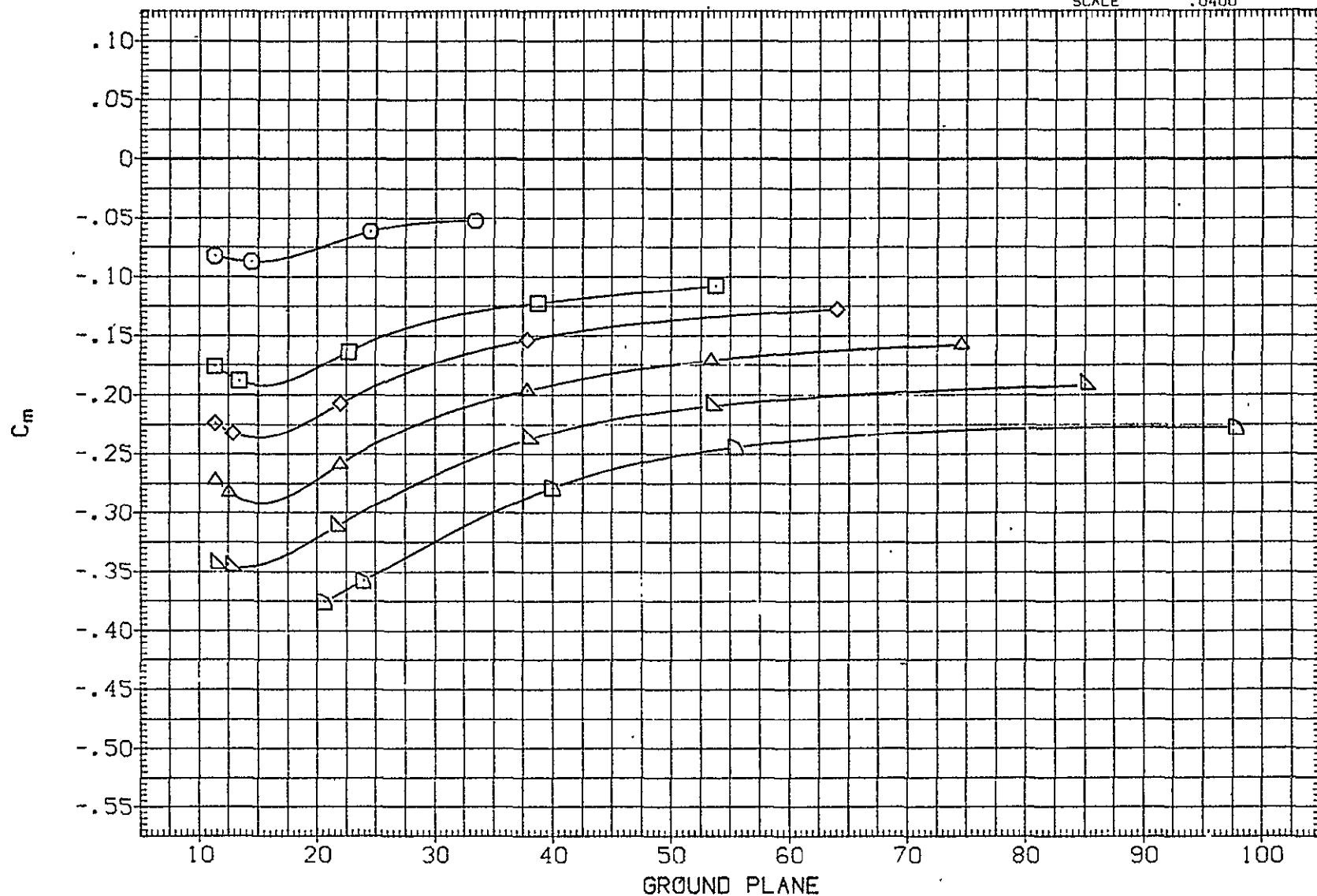


FIG 121 ALT CONFIG IN GROUND PROXIMITY, STAB = 0, FLAPS 30, IORB=8, TC ON
MAIN BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(RJF279)	□	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	.160	8.000	-11.700	-5.000	SREF	5500.0000	50.FT.
(RJF280)	□	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	4.141	8.000	-11.700	-5.000	LREF	327.8000	IN.
(RJF281)	◇	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	6.199	8.000	-11.700	-5.000	BREF	2348.0000	IN.
(RJF282)	△	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	8.128	8.000	-11.700	-5.000	XMRP	1339.9100	IN.XC
(RJF283)	△	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	10.137	8.000	-11.700	-5.000	YMRP	.0000	IN.YC
(RJF284)	△	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	12.159	8.000	-11.700	-5.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

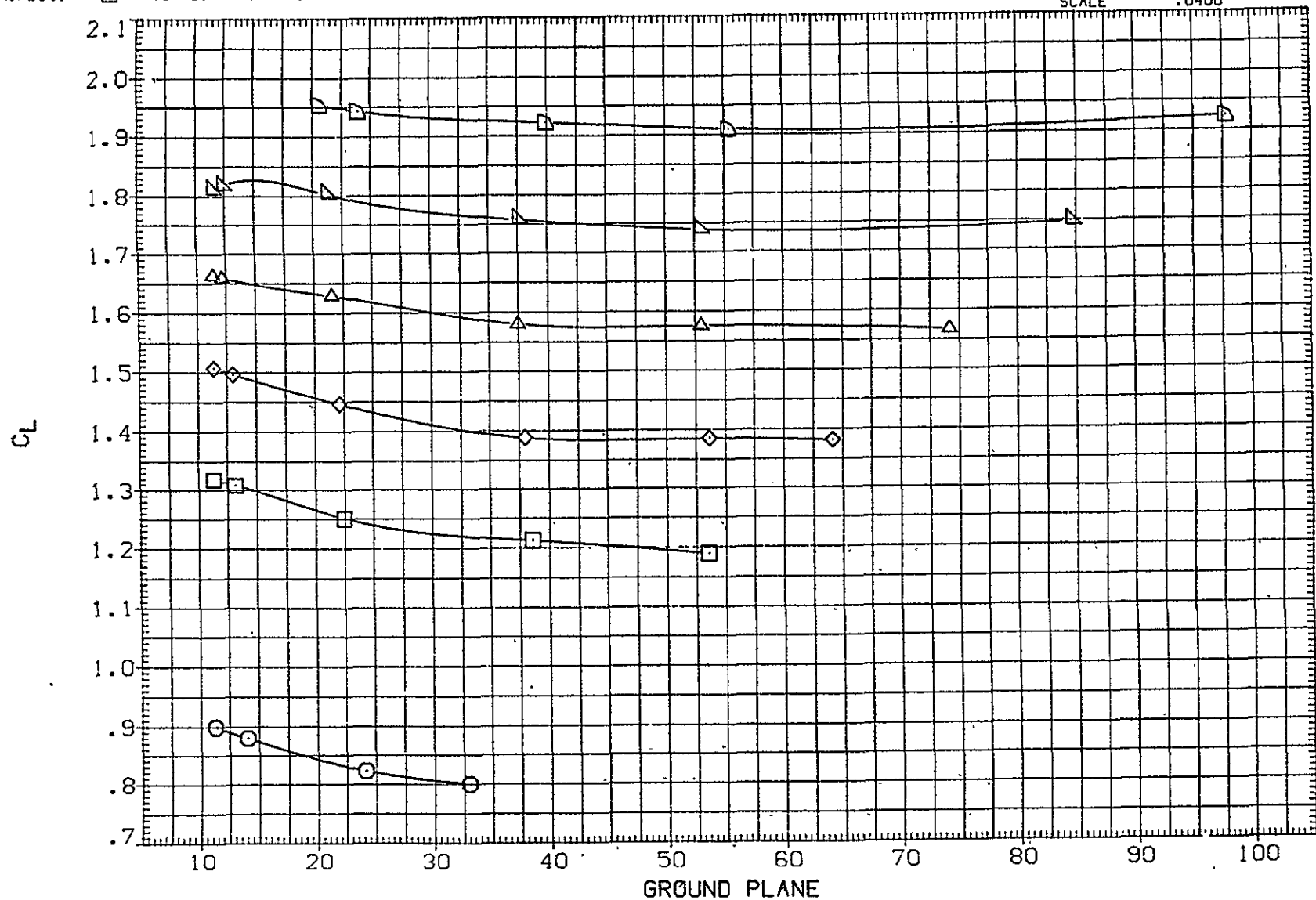


FIG 122 ALT CONFIG IN GROUND PROXIMITY, STAB = -2, FLAPS 30, IORB=8, TC ON
MAIN BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA _W	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(RJF279)	○	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	.160	8.000	-11.700	-5.000	SREF	5500.0000	SQ.FT.
(RJF280)	□	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	4.141	8.000	-11.700	-5.000	LREF	327.8000	IN.
(RJF281)	◇	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	6.199	8.000	-11.700	-5.000	BREF	2348.0000	IN.
(RJF282)	△	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	8.128	8.000	-11.700	-5.000	XMRP	1339.9100	IN. XC
(RJF283)	▽	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	10.137	8.000	-11.700	-5.000	YMRP	.0000	IN. YC
(RJF284)	▷	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	12.159	8.000	-11.700	-5.000	ZMRP	190.7500	IN. ZC
							SCALE	.0400	

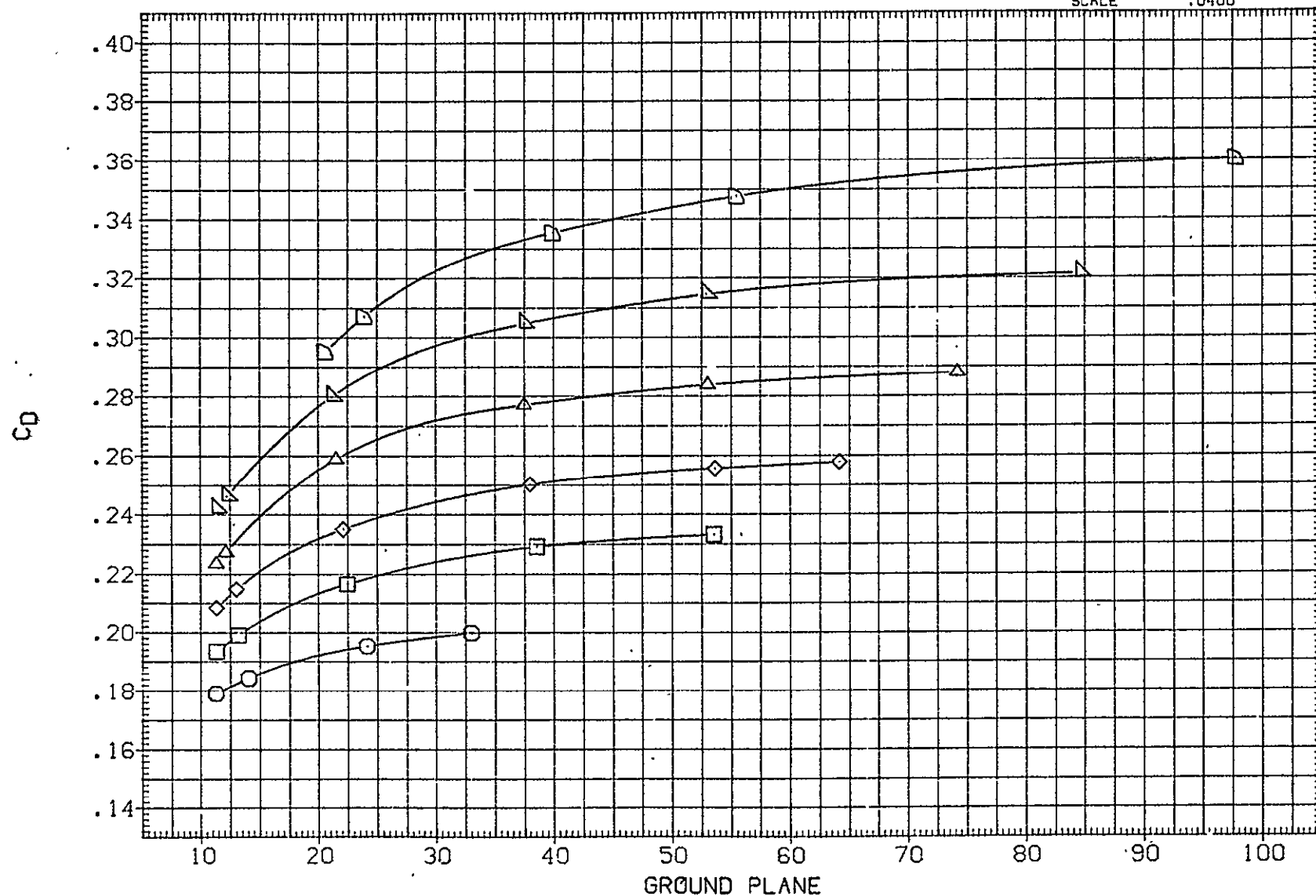


FIG 122 ALT CONFIG IN GROUND PROXIMITY, STAB = -2, FLAPS 30, IORB=8, TC ON
MAIN BALANCE DATA-GP SWEEPS

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(RJF279)	○	(CA-8) K3.1TS7H15.6.1F30TS40165.3.5	.160	8.000	-11.700	-5.000	SREF	5500.0000	50. FT.
(RJF280)	□	(CA-8) K3.1TS7H15.6.1F30TS40165.3.5	4.141	8.000	-11.700	-5.000	LREF	327.8000	IN.
(RJF281)	◇	(CA-8) K3.1TS7H15.6.1F30TS40165.3.5	6.199	8.000	-11.700	-5.000	BREF	2348.0000	IN.
(RJF282)	△	(CA-8) K3.1TS7H15.6.1F30TS40165.3.5	8.128	8.000	-11.700	-5.000	XMRP	1339.9100	IN. XC
(RJF283)	▽	(CA-8) K3.1TS7H15.6.1F30TS40165.3.5	10.137	8.000	-11.700	-5.000	YMRP	.0000	IN. YC
(RJF284)	◁	(CA-8) K3.1TS7H15.6.1F30TS40165.3.5	12.159	8.000	-11.700	-5.000	ZMRP	190.7500	IN. ZC
							SCALE	.0400	

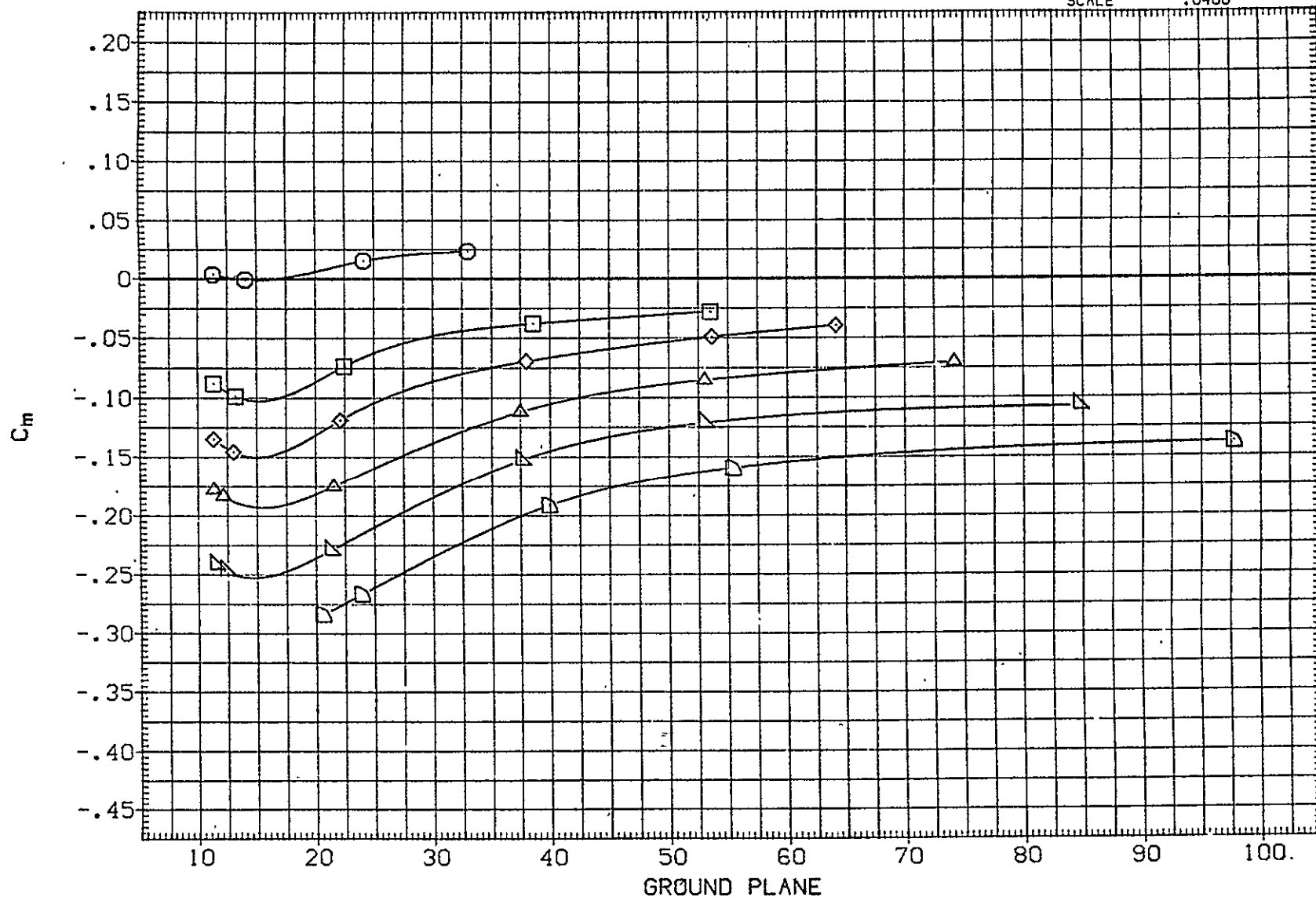


FIG 122 ALT CONFIG IN GROUND PROXIMITY, STAB = -2, FLAPS 30, IORB=8, TC ON
MAIN BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(RJF297)	□	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	.263	8.000	-11.700	-5.000	SREF	5500.0000	SQ.FT.
(RJF298)	◇	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	4.047	8.000	-11.700	-5.000	LREF	327.8000	IN.
(RJF299)	△	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	6.135	8.000	-11.700	-5.000	BREF	2348.0000	IN.
(RJF300)	▽	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	8.209	8.000	-11.700	-5.000	XMRP	1339.9100	IN.XC
(RJF301)	◊	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	10.143	8.000	-11.700	-5.000	YMRP	.0000	IN.YC
(RJF302)	◻	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	12.252	8.000	-11.700	-5.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

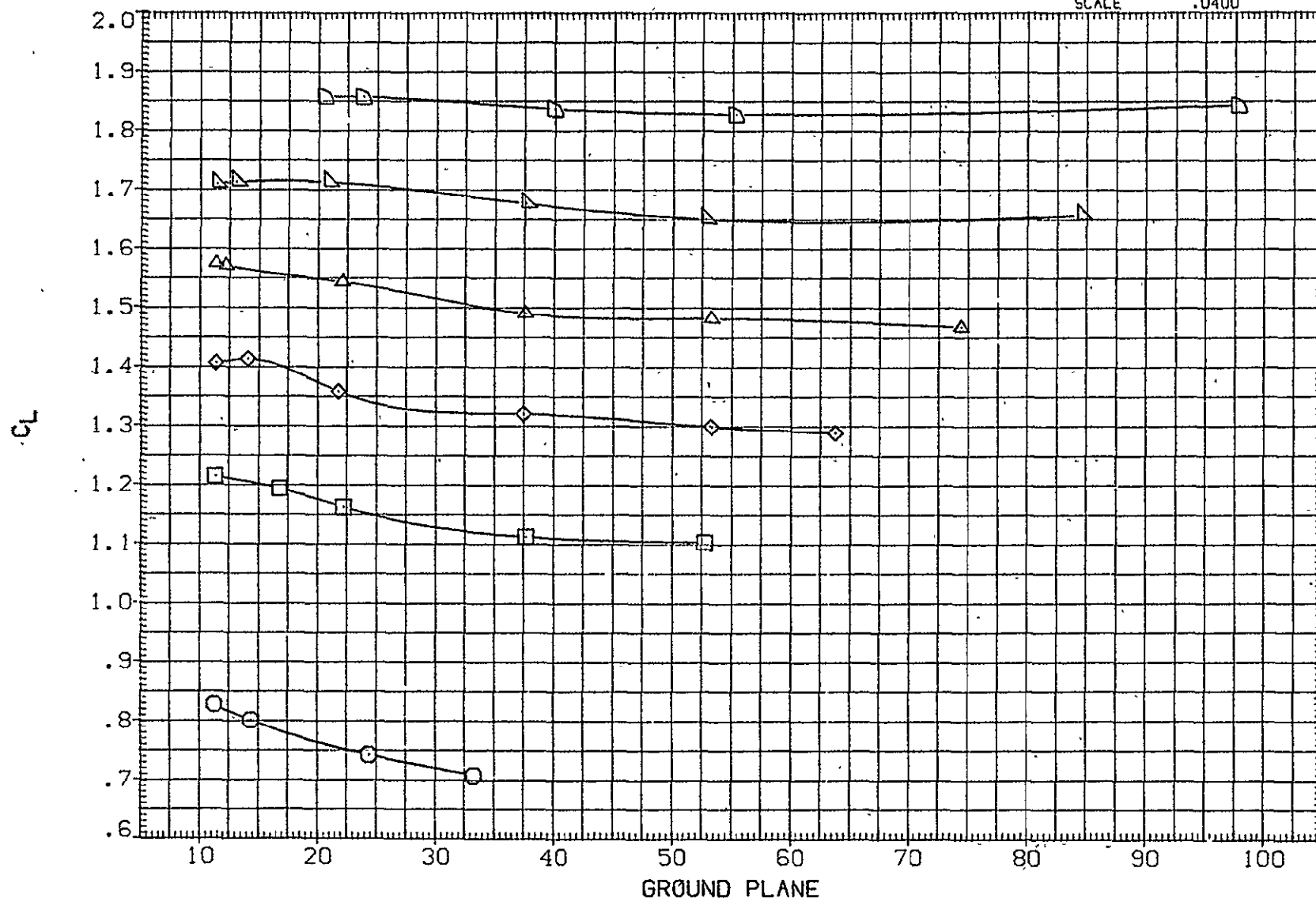


FIG 123 ALT CONFIG IN GROUND PROXIMITY, STAB = 0, ELEVTR=-23, IORB=8, TC ON
MAIN BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(RJF297)	○	(CA-8) K3.1TS7H15.6.1F30TS401G5.3:5	.263	8.000	-11.700	-5.000	SREF	5500.0000	SQ.FT.
(RJF298)	□	(CA-8) K3.1TS7H15.6.1F30TS401G5.3:5	4.047	8.000	-11.700	-5.000	LREF	327.8000	IN.
(RJF299)	◇	(CA-8) K3.1TS7H15.6.1F30TS401G5.3:5	6.135	8.000	-11.700	-5.000	BREF	2348.0000	IN.
(RJF300)	△	(CA-8) K3.1TS7H15.6.1F30TS401G5.3:5	8.209	8.000	-11.700	-5.000	XMRP	1339.9100	IN.XC
(RJF301)	▽	(CA-8) K3.1TS7H15.6.1F30TS401G5.3:5	10.143	8.000	-11.700	-5.000	YMRP	.0000	IN.YC
(RJF302)	◻	(CA-8) K3.1TS7H15.6.1F30TS401G5.3:5	12.252	8.000	-11.700	-5.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

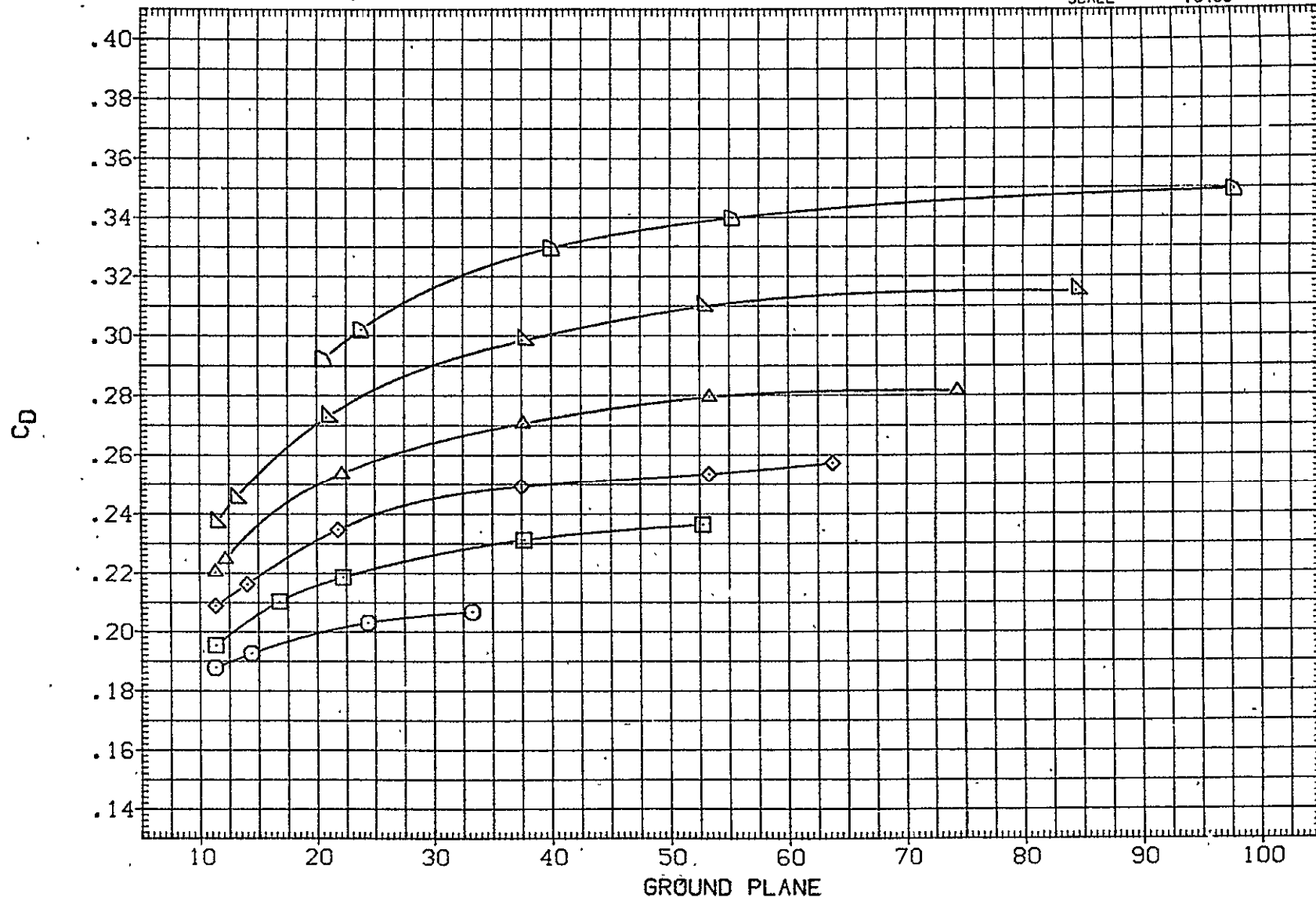


FIG 123 ALT CONFIG IN GROUND PROXIMITY, STAB = 0, ELEVTR=-23, IORB=8, TC ON
 MAIN BALANCE DATA-GP SWEEPS
 (A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	IORB	BOFLAP	ELEVON	REFERENCE INFORMATION		
(RJF297)	○	(CA-8) K3.1TS7H15.6.1F30TS40165.3.5	.263	8.000	-11.700	-5.000	SREF	5500.0000	SQ. FT.
(RJF298)	□	(CA-8) K3.1TS7H15.6.1F30TS40165.3.5	4.047	8.000	-11.700	-5.000	LREF	327.8000	IN.
(RJF299)	◇	(CA-8) K3.1TS7H15.6.1F30TS40165.3.5	6.135	8.000	-11.700	-5.000	BREF	2348.0000	IN.
(RJF300)	△	(CA-8) K3.1TS7H15.6.1F30TS40165.3.5	8.209	8.000	-11.700	-5.000	XMRP	1339.9100	IN. XC
(RJF301)	▽	(CA-8) K3.1TS7H15.6.1F30TS40165.3.5	10.143	8.000	-11.700	-5.000	YMRP	.0000	IN. YC
(RJF302)	◻	(CA-8) K3.1TS7H15.6.1F30TS40165.3.5	12.252	8.000	-11.700	-5.000	ZMRP	190.7500	IN. ZC
							SCALE	.0400	

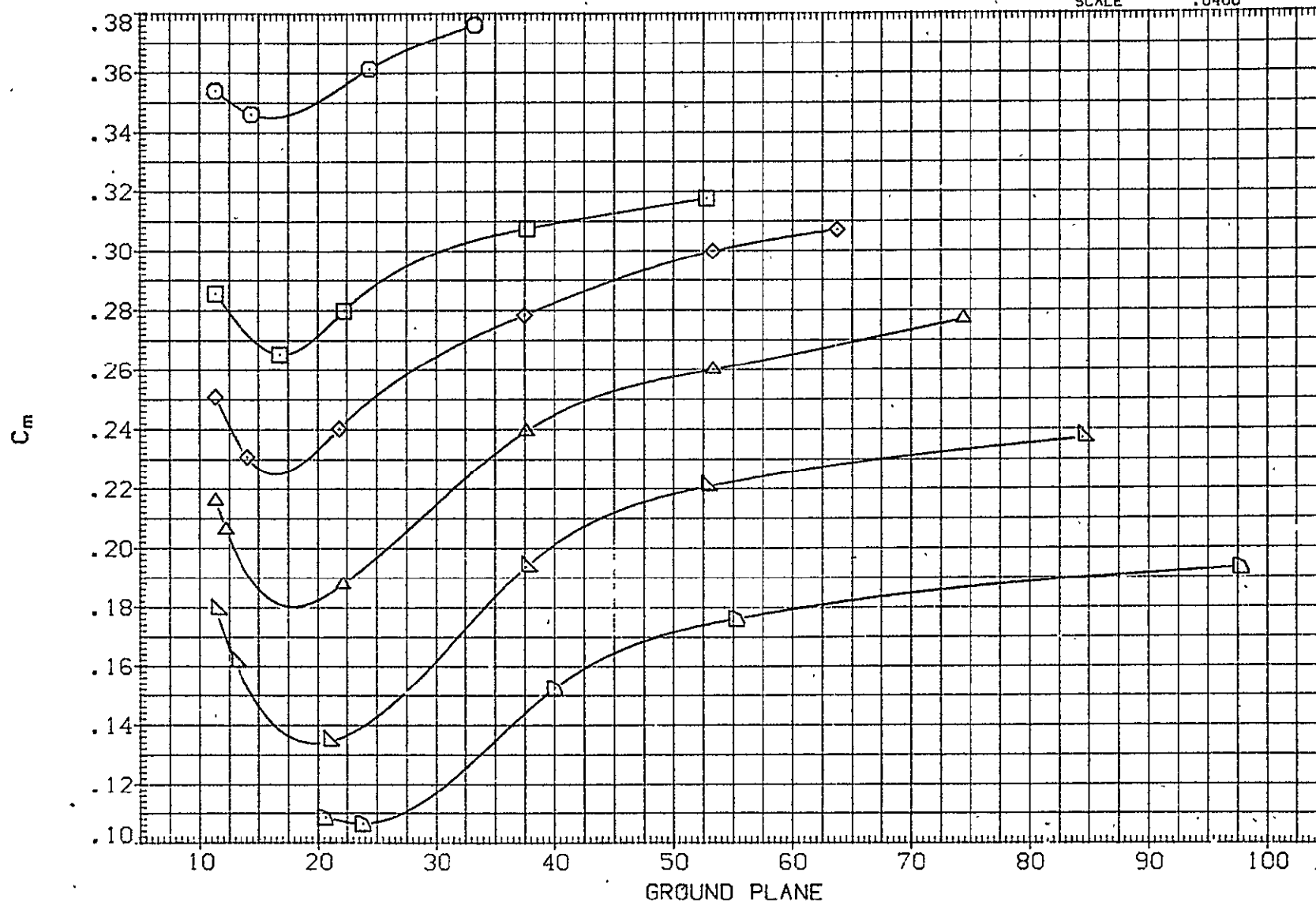


FIG 123 ALT CONFIG IN GROUND PROXIMITY, STAB = 0, ELEVTR=-23, IORB=8, TC ON
MAIN BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	IORB	BOFLAP	ELEVON	REFERENCE INFORMATION		
(RJF309)	□	(CA-8) K3.1TS7 F10TS402G5.3.5	.211	8.000	.000	-5.000	SREF	5500.0000	SQ.FT.
(RJF310)	□	(CA-8) K3.1TS7 F10TS402G5.3.5	4.011	8.000	.000	-5.000	LREF	327.8000	IN.
(RJF311)	◇	(CA-8) K3.1TS7 F10TS402G5.3.5	6.211	8.000	.000	-5.000	BREF	2348.0000	IN.
(RJF312)	△	(CA-8) K3.1TS7 F10TS402G5.3.5	8.089	8.000	.000	-5.000	XMRP	1339.9100	IN.XC
(RJF313)	△	(CA-8) K3.1TS7 F10TS402G5.3.5	10.137	8.000	.000	-5.000	YMRP	.0000	IN.YC
(RJF314)	△	(CA-8) K3.1TS7 F10TS402G5.3.5	12.208	8.000	.000	-5.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

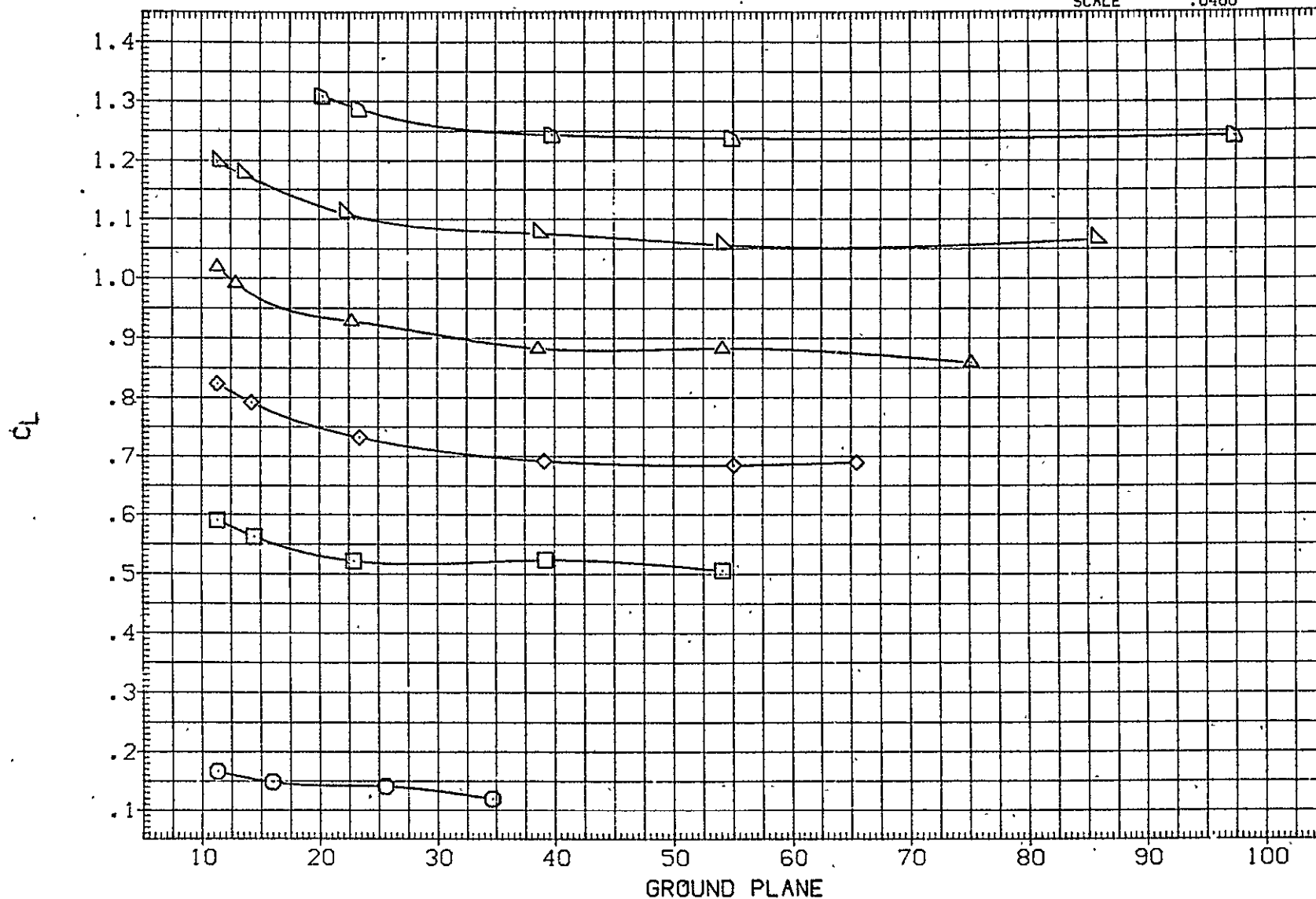


FIG 124 ALT CONFIG IN GROUND PROXIMITY, HORIZ OFF, FLAPS 10, IORB=8, TC OFF
MAIN BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA _W	I _{ORB}	B _D FLAP	ELEV _{ON}	REFERENCE INFORMATION		
(RJF309)	□	(CA-8) K3.1TS7 F10TS40265.3.5	.211	8.000	.000	-5.000	SREF	5500.0000	50. FT.
(RJF310)	◇	(CA-8) K3.1TS7 F10TS40265.3.5	4.011	8.000	.000	-5.000	LREF	327.8000	IN.
(RJF311)	△	(CA-8) K3.1TS7 F10TS40265.3.5	6.211	8.000	.000	-5.000	BREF	2348.0000	IN.
(RJF312)	▽	(CA-8) K3.1TS7 F10TS40265.3.5	8.089	8.000	.000	-5.000	XMRP	1339.9100	IN. XC
(RJF313)	△	(CA-8) K3.1TS7 F10TS40265.3.5	10.137	8.000	.000	-5.000	YMRP	.0000	IN. YC
(RJF314)	▽	(CA-8) K3.1TS7 F10TS40265.3.5	12.208	8.000	.000	-5.000	ZMRP	190.7500	IN. ZC
							SCALE	.0400	

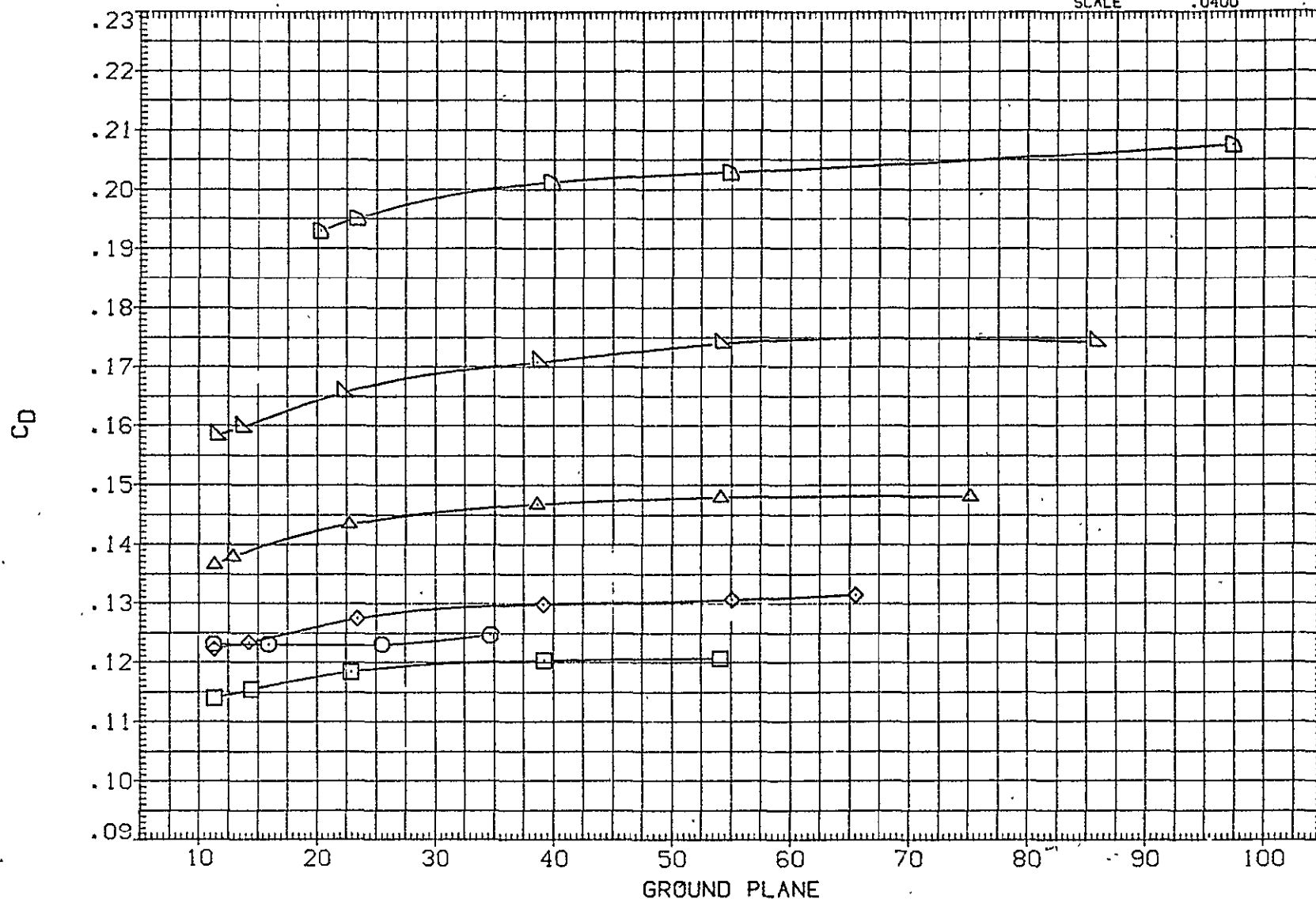


FIG 124 ALT CONFIG IN GROUND PROXIMITY, HORIZ OFF, FLAPS 10, I_{ORB}=8, TC OFF
MAIN BALANCE DATA-GP SWEEPS

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(RJF309)	○	(CA-8) K3.1TS7 F10TS40265.3.5	.211	8.000	.000	-5.000	SREF	5500.0000	SQ.FT.
(RJF310)	□	(CA-8) K3.1TS7 F10TS40265.3.5	4.011	8.000	.000	-5.000	LREF	327.8000	IN.
(RJF311)	◇	(CA-8) K3.1TS7 F10TS40265.3.5	6.211	8.000	.000	-5.000	BREF	2348.0000	IN.
(RJF312)	△	(CA-8) K3.1TS7 F10TS40265.3.5	8.089	8.000	.000	5.000	XMRP	1339.9100	IN.XC
(RJF313)	▽	(CA-8) K3.1TS7 F10TS40265.3.5	10.137	8.000	.000	-5.000	YMRP	.0000	IN.YC
(RJF314)	◻	(CA-8) K3.1TS7 F10TS40265.3.5	12.208	8.000	.000	-5.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

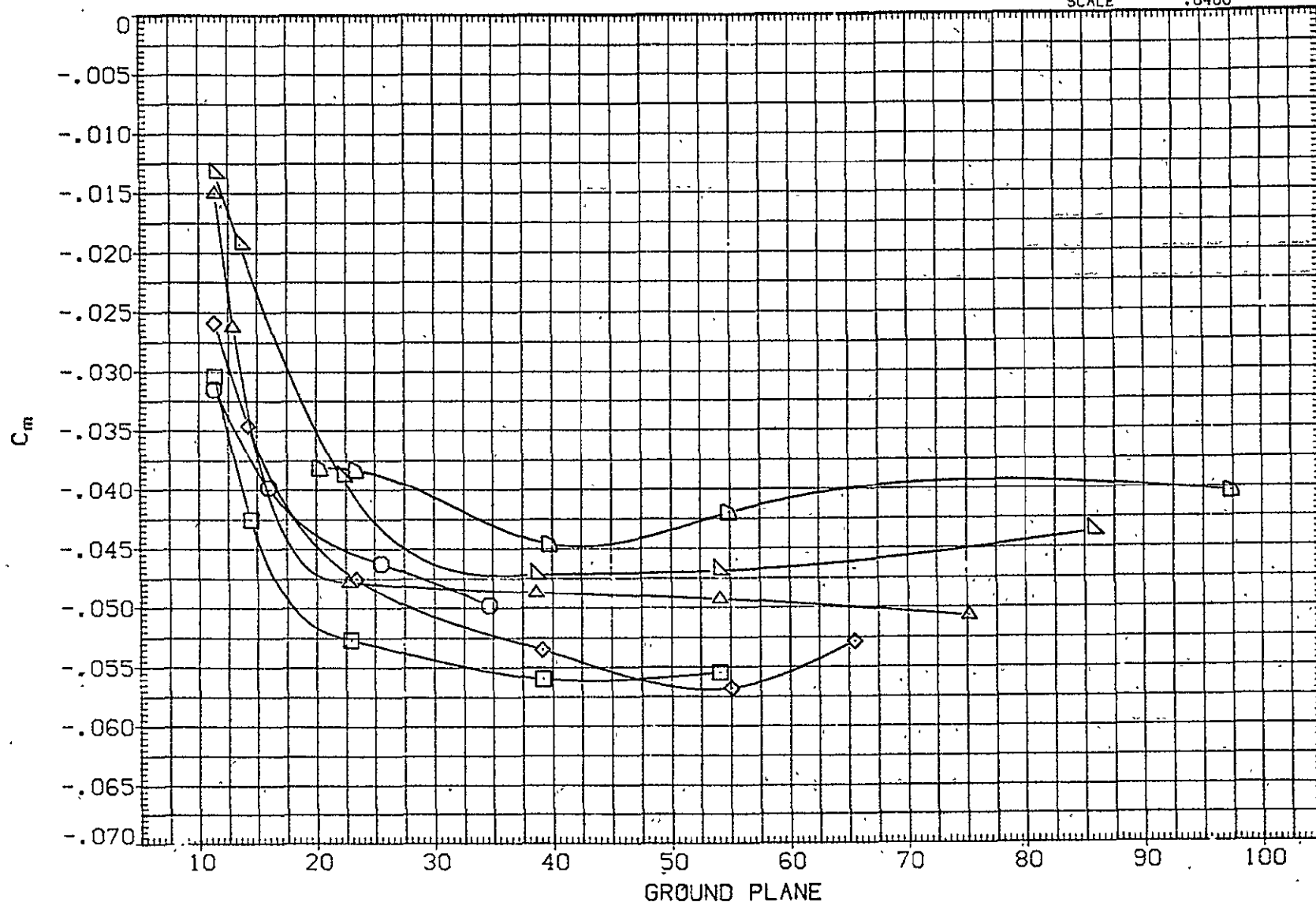


FIG 124 ALT CONFIG IN GROUND PROXIMITY, HORIZ OFF, FLAPS 10, IORB=8, TC OFF
MAIN BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA _W	I _{ORB}	B _D FLAP	ELEVON	REFERENCE INFORMATION		
(RJF327)	○	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	.195	8.000	.000	-5.000	SREF	5500.0000	SQ.FT.
(RJF328)	□	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	3.963	8.000	.000	-5.000	LREF	327.8000	IN.
(RJF329)	◇	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	6.133	8.000	.000	-5.000	BREF	2348.0000	IN.
(RJF330)	△	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	8.150	8.000	.000	-5.000	XMRP	1339.9100	IN.XC
(RJF331)	▽	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	10.074	8.000	.000	-5.000	YMRP	.0000	IN.YC
(RJF332)	◻	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	12.218	8.000	.000	-5.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

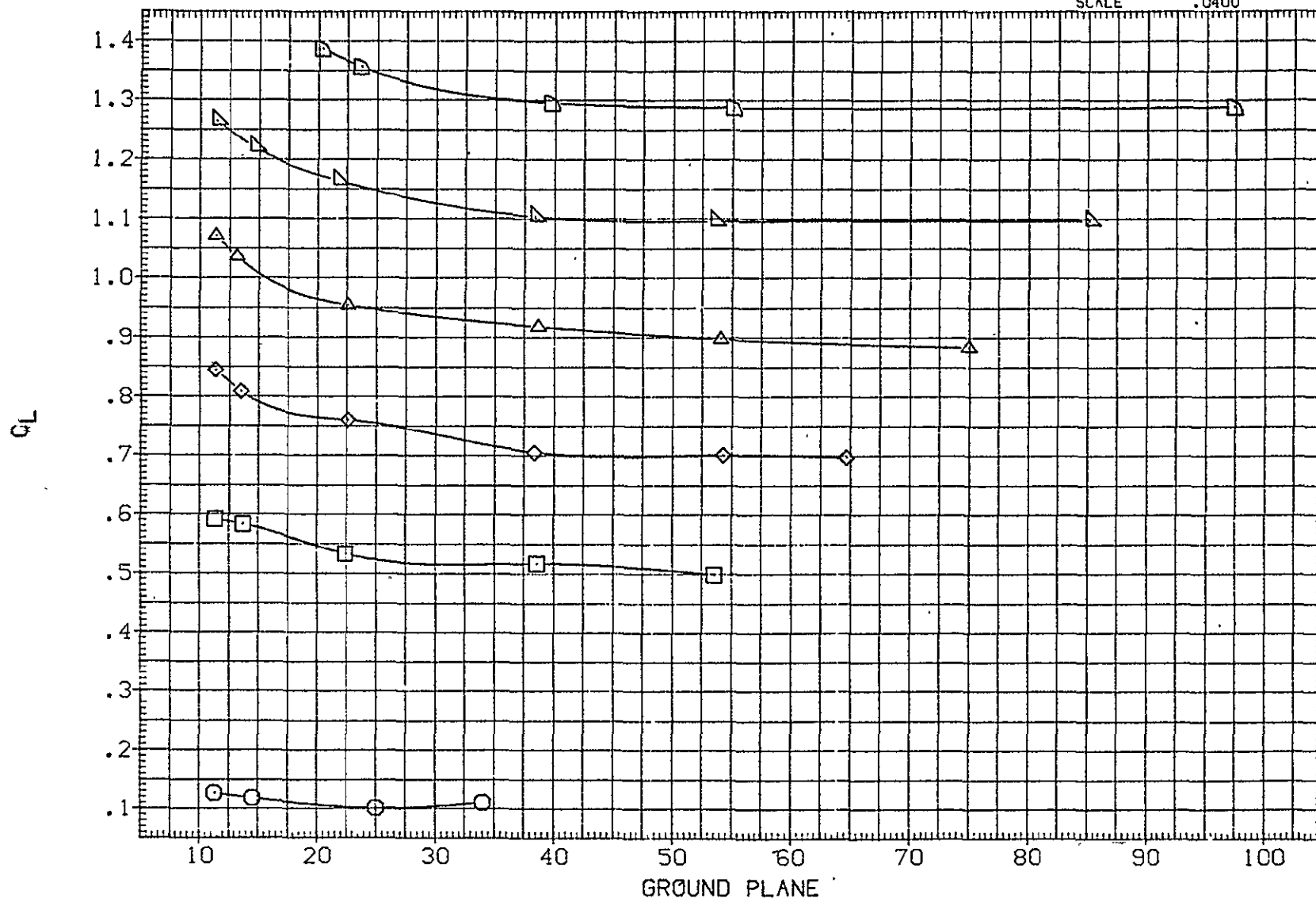


FIG 125 ALT CONFIG IN GROUND PROXIMITY, STAB = 4, FLAPS 10, I_{ORB}=8, TC OFF
MAIN BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(RJF327)	□	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	.195	8.000	.000	-5.000	SREF	5500.0000	SQ.FT.
(RJF328)	◇	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	3.963	8.000	.000	-5.000	LREF	327.8000	IN.
(RJF329)	△	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	6.133	8.000	.000	-5.000	BREF	2348.0000	IN.
(RJF330)	▽	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	8.150	8.000	.000	-5.000	XMRP	1339.9100	IN.XC
(RJF331)	△	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	10.074	8.000	.000	-5.000	YMRP	.0000	IN.YC
(RJF332)	▽	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	12.218	8.000	.000	-5.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

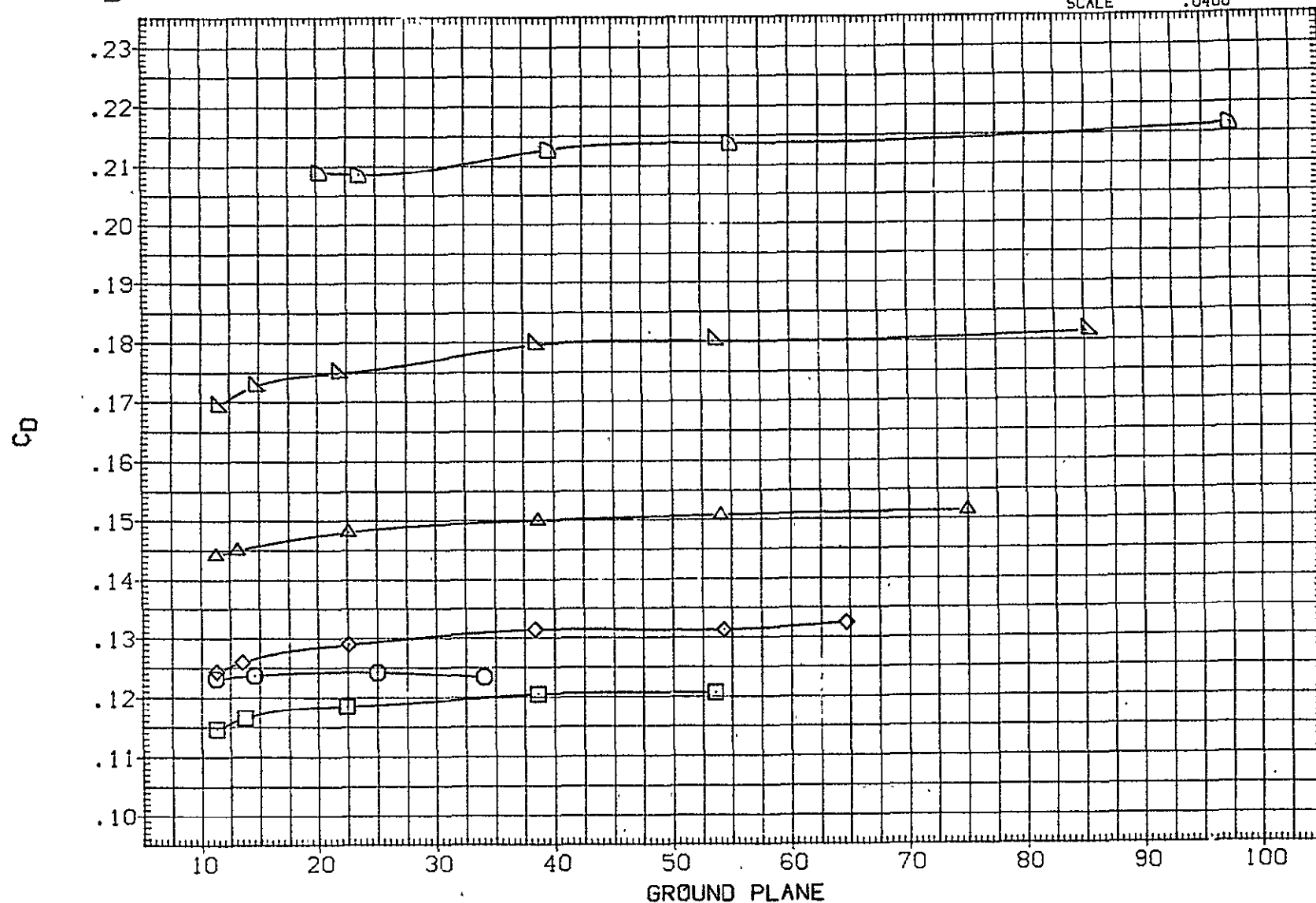


FIG 125 ALT CONFIG IN GROUND PROXIMITY, STAB = 4, FLAPS 10, IORB=8, TC OFF
MAIN BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(RJF327)	○	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	.195	8.000	.000	-5.000	SREF	5500.0000	SQ.FT.
(RJF328)	□	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	3.963	8.000	.000	-5.000	LREF	327.8000	IN.
(RJF329)	◇	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	6.133	8.000	.000	-5.000	BREF	2348.0000	IN.
(RJF330)	△	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	8.150	8.000	.000	-5.000	XMRP	1339.9100	IN.XC
(RJF331)	▽	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	10.074	8.000	.000	-5.000	YMRP	.0000	IN.YC
(RJF332)	◁	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	12.218	8.000	.000	-5.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

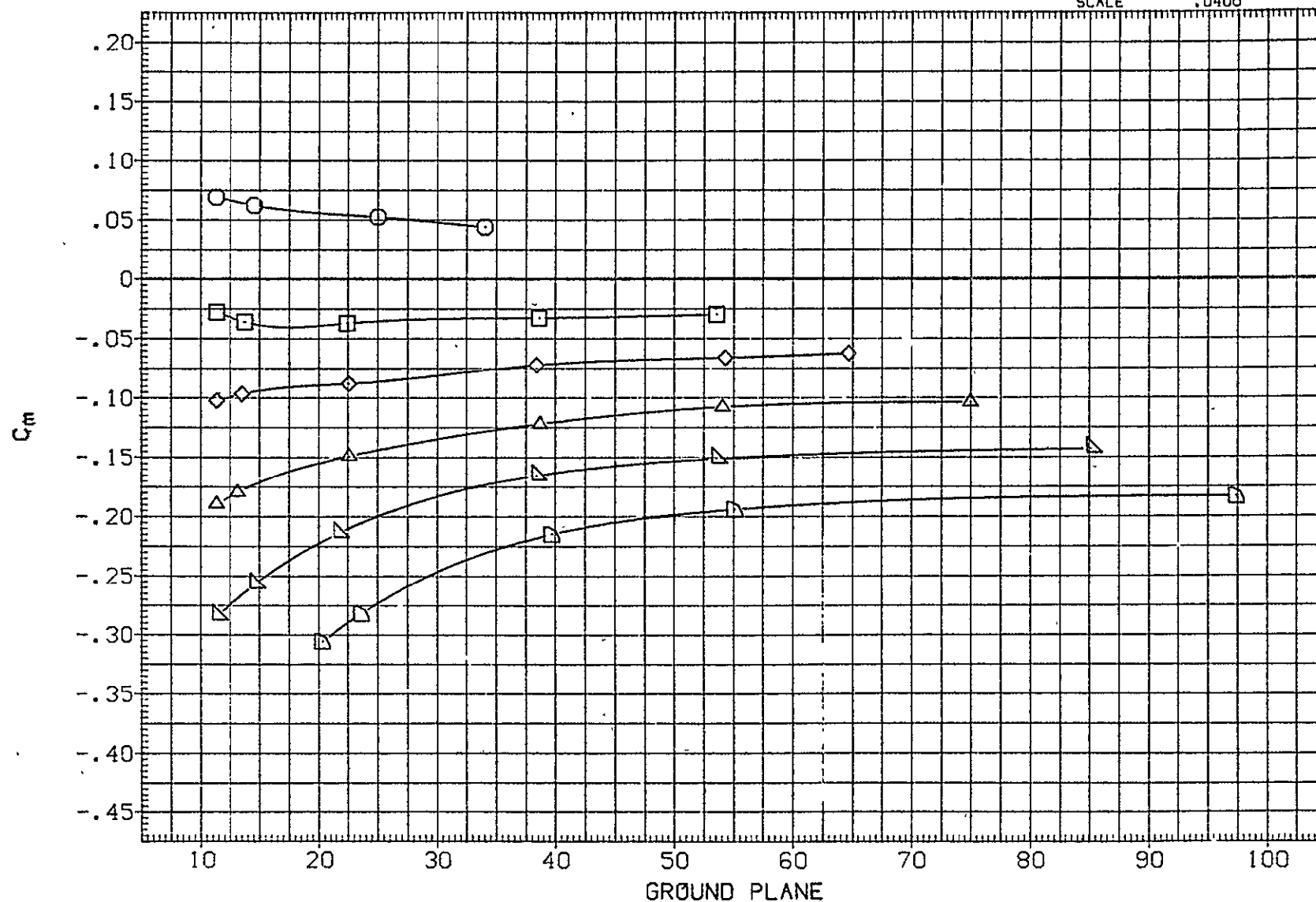


FIG 125 ALT CONFIG IN GROUND PROXIMITY, STAB = 4, FLAPS 10, IORB=8, TC OFF
MAIN BALANCE DATA-GP SWEEPS

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(RJF321)	○	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	.178	8.000	.000	-5.000	SREF	5500.0000	SQ.FT.
(RJF322)	□	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	4.024	8.000	.000	-5.000	LREF	327.8000	IN.
(RJF323)	◇	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	6.135	8.000	.000	-5.000	BREF	2348.0000	IN.
(RJF324)	△	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	8.152	8.000	.000	-5.000	XMRP	1339.9100	IN, XC
(RJF325)	▽	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	10.053	8.000	.000	-5.000	YMRP	.0000	IN, YC
(RJF326)	◇	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	12.123	8.000	.000	-5.000	ZMRP	190.7500	IN, ZC
							SCALE	.0400	

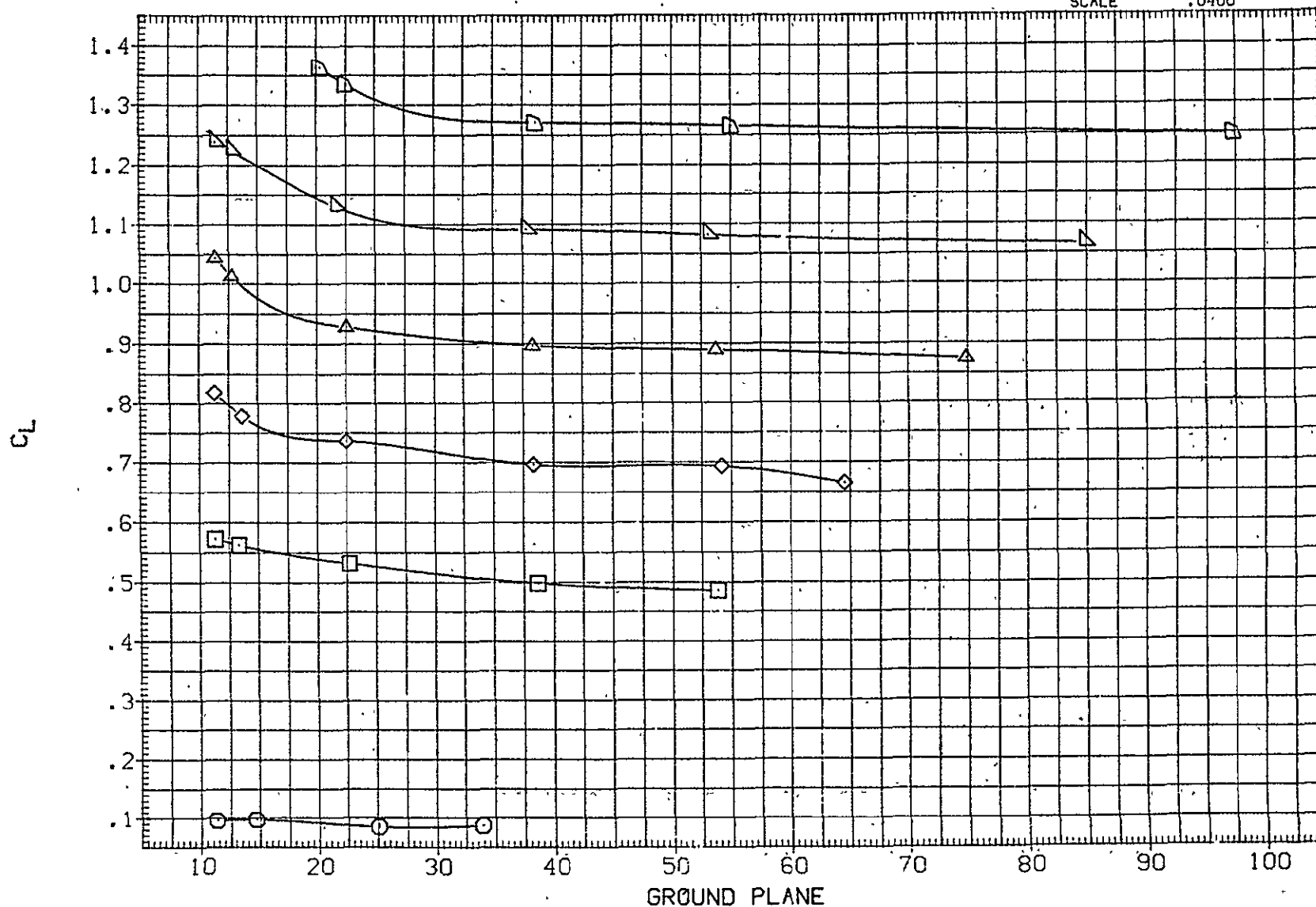


FIG 126 ALT CONFIG IN GROUND PROXIMITY, STAB = 2, FLAPS 10, IORB=8, TC OFF
MAIN BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA _W	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(RJF321)	□	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	.178	8.000	.000	-5.000	SREF	5500.0000	50.FT.
(RJF322)	□	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	4.024	8.000	.000	-5.000	LREF	327.8000	IN.
(RJF323)	◇	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	6.135	8.000	.000	-5.000	BREF	2348.0000	IN.
(RJF324)	△	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	8.152	8.000	.000	-5.000	XMRP	1339.9100	IN.XC
(RJF325)	△	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	10.053	8.000	.000	-5.000	YMRP	.0000	IN.YC
(RJF326)	△	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	12.123	8.000	.000	-5.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

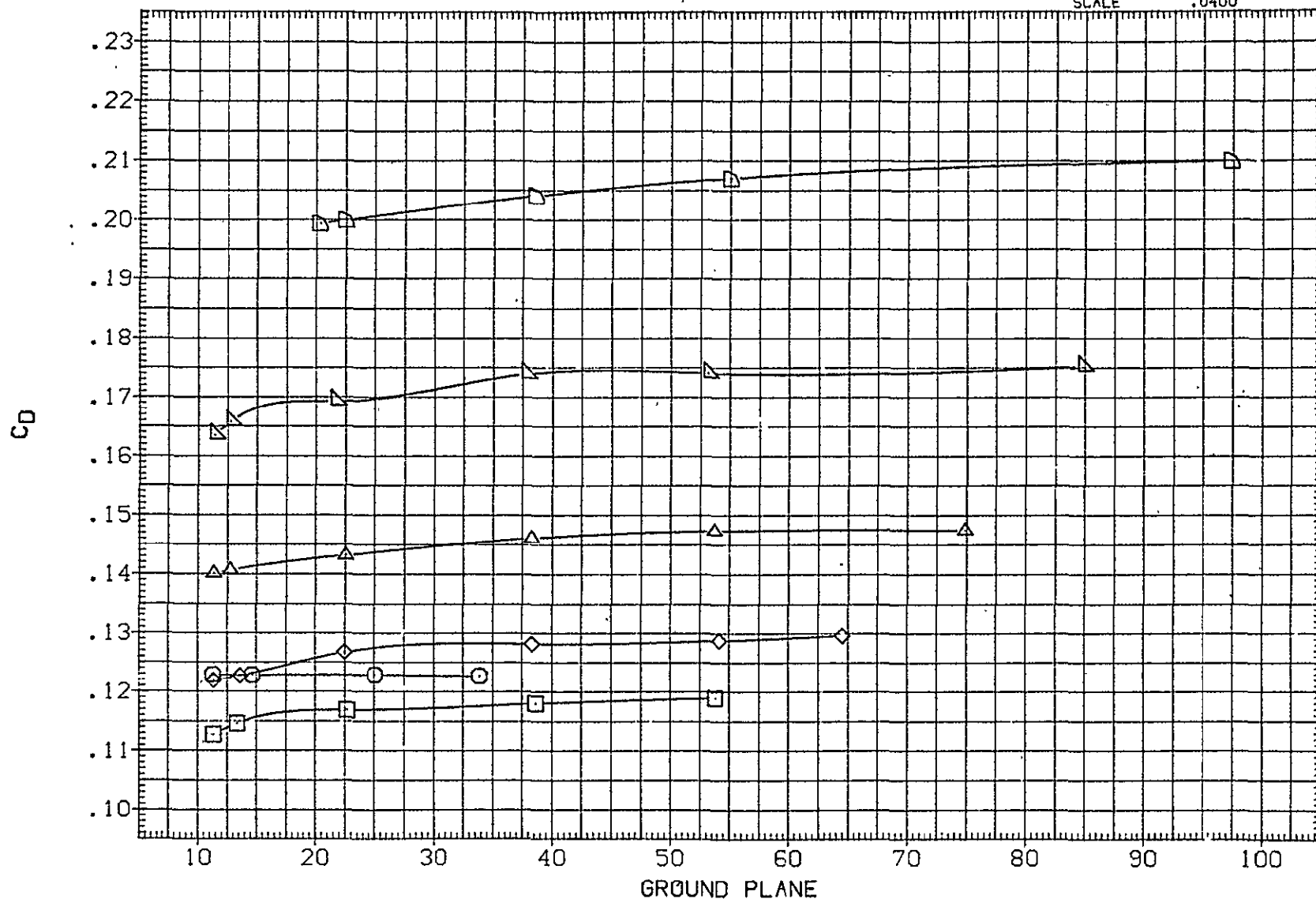


FIG 126 ALT CONFIG IN GROUND PROXIMITY, STAB = 2, FLAPS 10, IORB=8, TC OFF
MAIN BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	IORB	BOFLAP	ELEVON	REFERENCE INFORMATION		
(RJF321)	○	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	.178	8.000	.000	-5.000	SREF	5500.0000	SQ.FT.
(RJF322)	□	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	4.024	8.000	.000	-5.000	LREF	327.8000	IN.
(RJF323)	◇	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	6.135	8.000	.000	-5.000	BREF	2348.0000	IN.
(RJF324)	△	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	8.152	8.000	.000	-5.000	XMHP	1339.9100	IN.XC
(RJF325)	▽	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	10.053	8.000	.000	-5.000	YMHP	.0000	IN.YC
(RJF326)	◻	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	12.123	8.000	.000	-5.000	ZMHP	190.7500	IN.ZC
							SCALE	.0400	

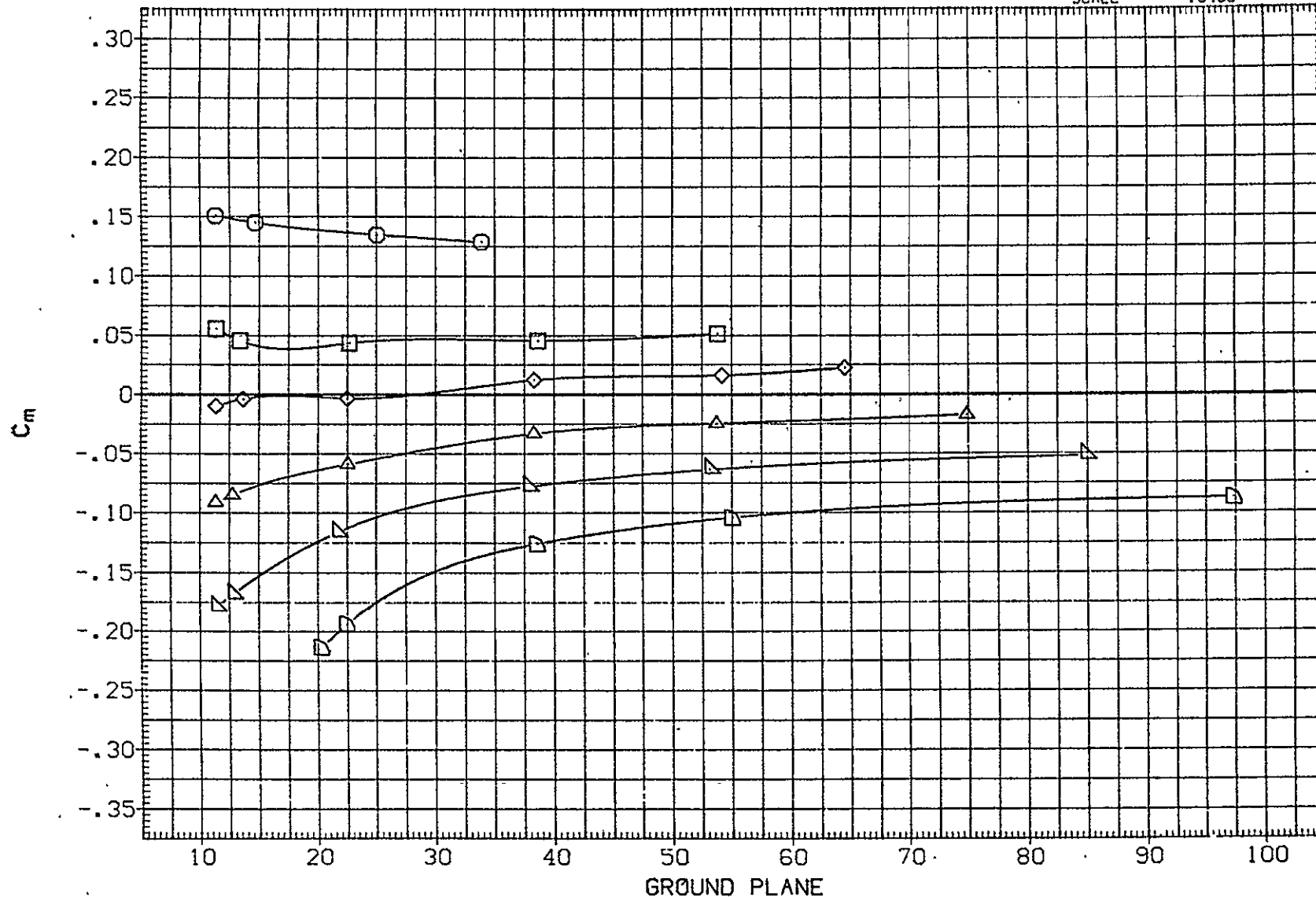


FIG 126 ALT CONFIG IN GROUND PROXIMITY, STAB = 2, FLAPS 10, IORB=8, TC OFF
MAIN BALANCE DATA-GP SWEEPS

(A)MACH = .15

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DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(RJF315)	○	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	.206	8.000	.000	-5.000	SREF	5500.0000	50.FT.
(RJF316)	◇	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	4.136	8.000	.000	-5.000	LREF	327.8000	IN.
(RJF317)	◇	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	6.112	8.000	.000	-5.000	BREF	2348.0000	IN.
(RJF318)	△	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	8.230	8.000	.000	-5.000	XMRP	1339.9100	IN.XC
(RJF319)	△	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	10.085	8.000	.000	-5.000	YMRP	.0000	IN.YC
(RJF320)	△	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	12.133	8.000	.000	-5.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

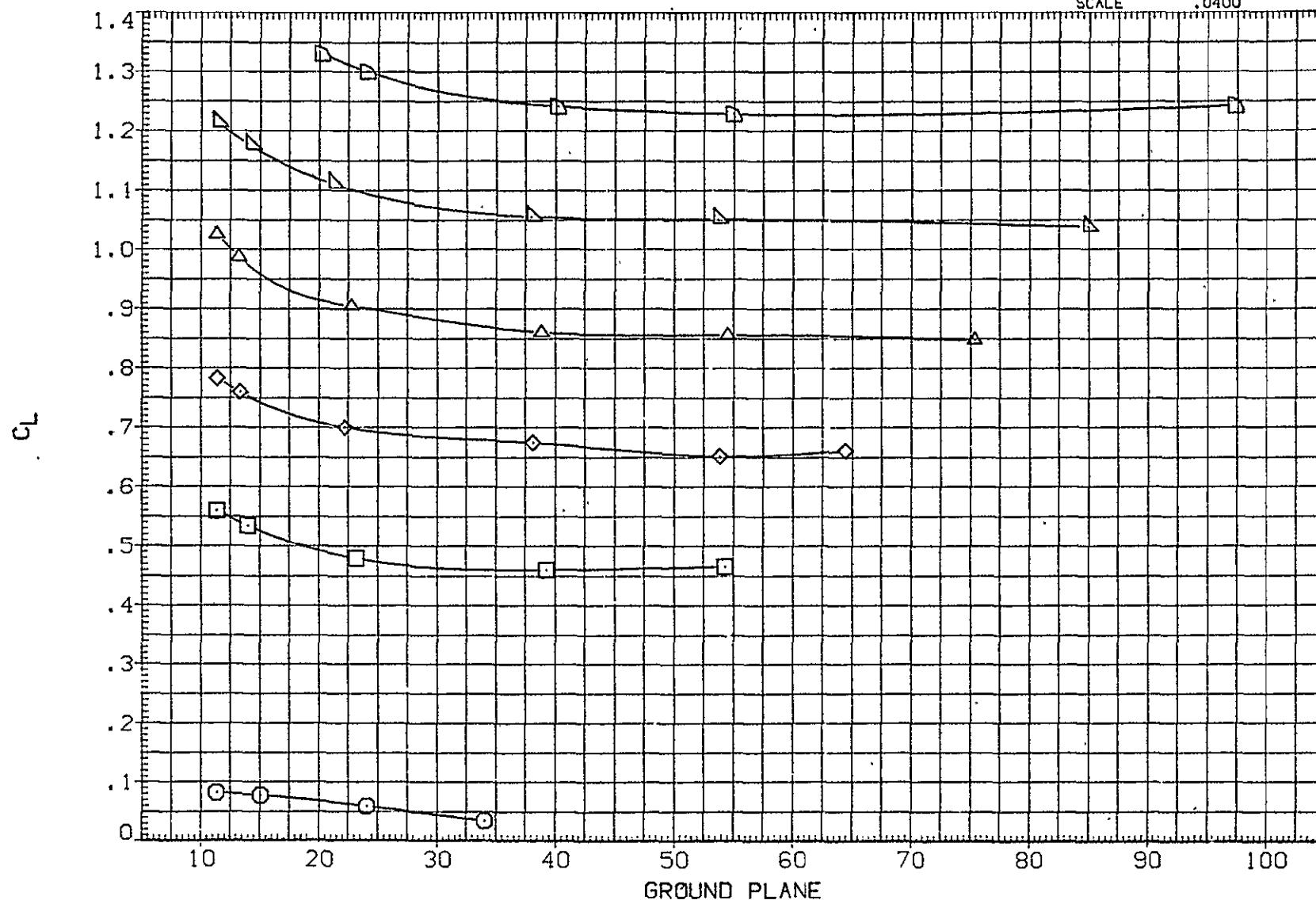


FIG 127 ALT CONFIG IN GROUND PROXIMITY, STAB = 0, FLAPS 10, IORB=8, TC OFF
MAIN BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA _W	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(RJF315)	○	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	.206	8.000	.000	-5.000	SREF	5500.0000	SQ.FT.
(RJF316)	□	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	4.136	8.000	.000	-5.000	LREF	327.8000	IN.
(RJF317)	◇	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	6.112	8.000	.000	-5.000	BREF	2348.0000	IN.
(PJF318)	△	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	8.230	8.000	.000	-5.000	XMRP	1339.9100	IN.XC
(RJF319)	▽	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	10.085	8.000	.000	-5.000	YMRP	.0000	IN.YC
(RJF320)	▷	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	12.133	8.000	.000	-5.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

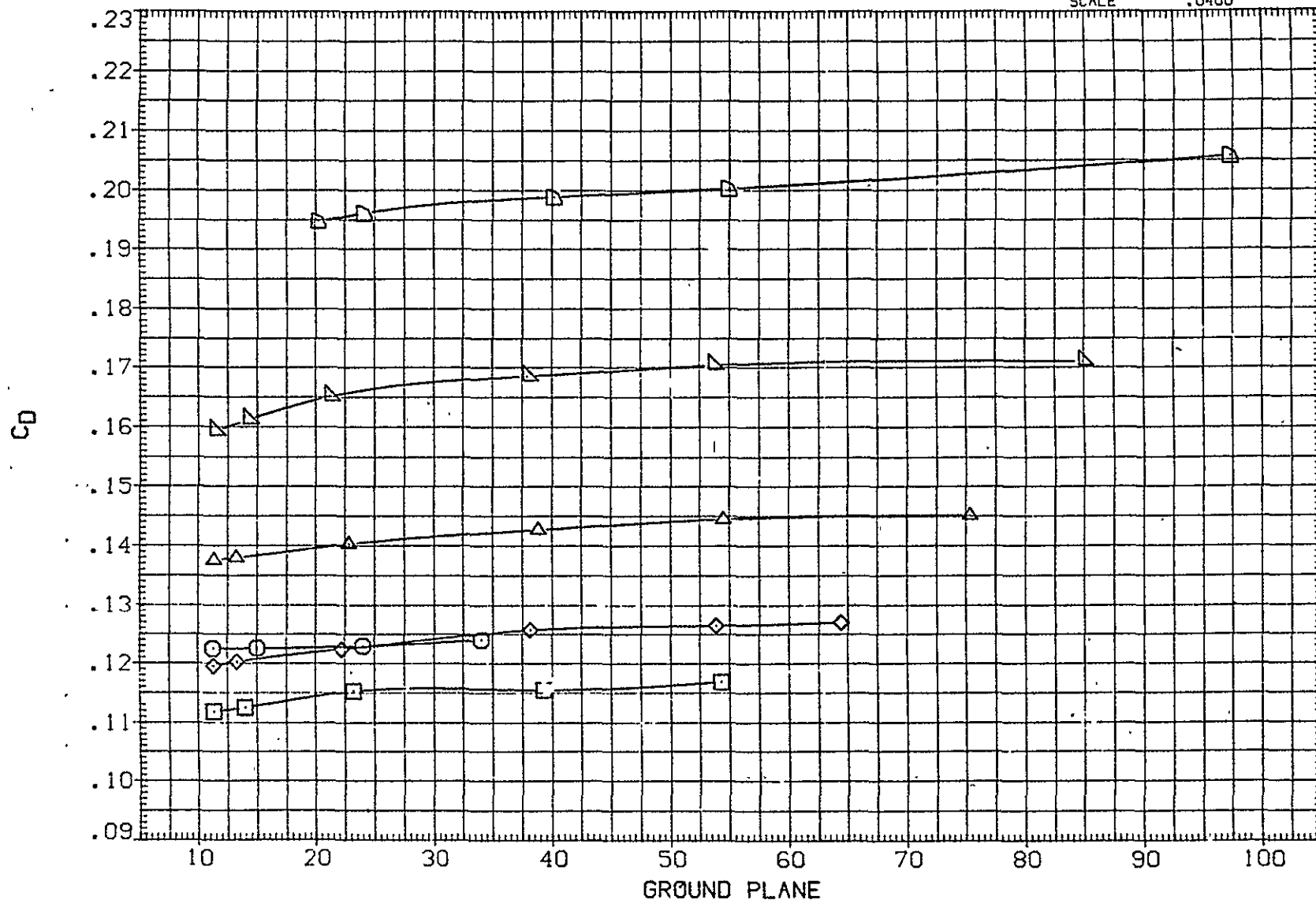


FIG 127 ALT CONFIG IN GROUND PROXIMITY, STAB = 0, FLAPS 10, IORB=8, TC OFF
MAIN BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	IORB	BOFLAP	ELEVON	REFERENCE INFORMATION		
(RJF315)	○	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	.206	8.000	.000	-5.000	SREF	5500.0000	SQ.FT.
(RJF316)	□	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	4.136	8.000	.000	-5.000	LREF	327.8000	IN.
(RJF317)	◇	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	6.112	8.000	.000	-5.000	BREF	2348.0000	IN.
(RJF318)	△	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	8.230	8.000	.000	-5.000	XMRP	1339.9100	IN.XC
(RJF319)	▽	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	10.085	8.000	.000	-5.000	YMRP	.0000	IN.YC
(RJF320)	◻	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	12.133	8.000	.000	-5.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

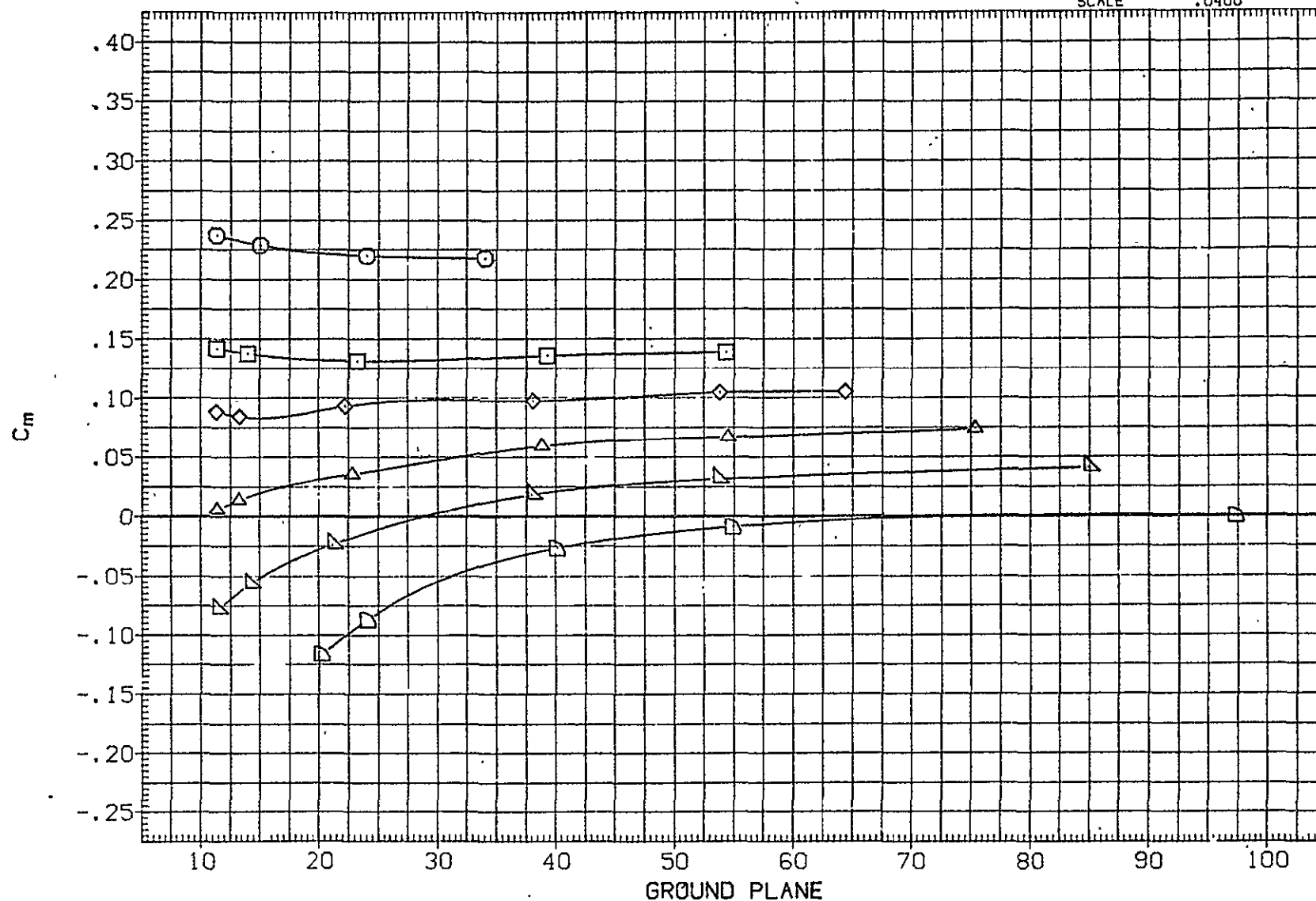


FIG 127 ALT CONFIG IN GROUND PROXIMITY, STAB = 0, FLAPS 10, IORB=8, TC OFF
MAIN BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BOFLAP	ELEVON	REFERENCE INFORMATION		
(RJF303)	○	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	.255	8.000	.000	-5.000	SREF	5500.0000	50.FT.
(RJF304)	□	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	4.075	8.000	.000	-5.000	LREF	327.8000	IN.
(RJF305)	◇	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	6.060	8.000	.000	-5.000	BREF	2348.0000	IN.
(RJF306)	△	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	8.107	8.000	.000	-5.000	XMRP	1339.9100	IN.XC
(RJF307)	▽	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	10.128	8.000	.000	-5.000	YM RP	.0000	IN.YC
(RJF308)	◻	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	12.145	8.000	.000	-5.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

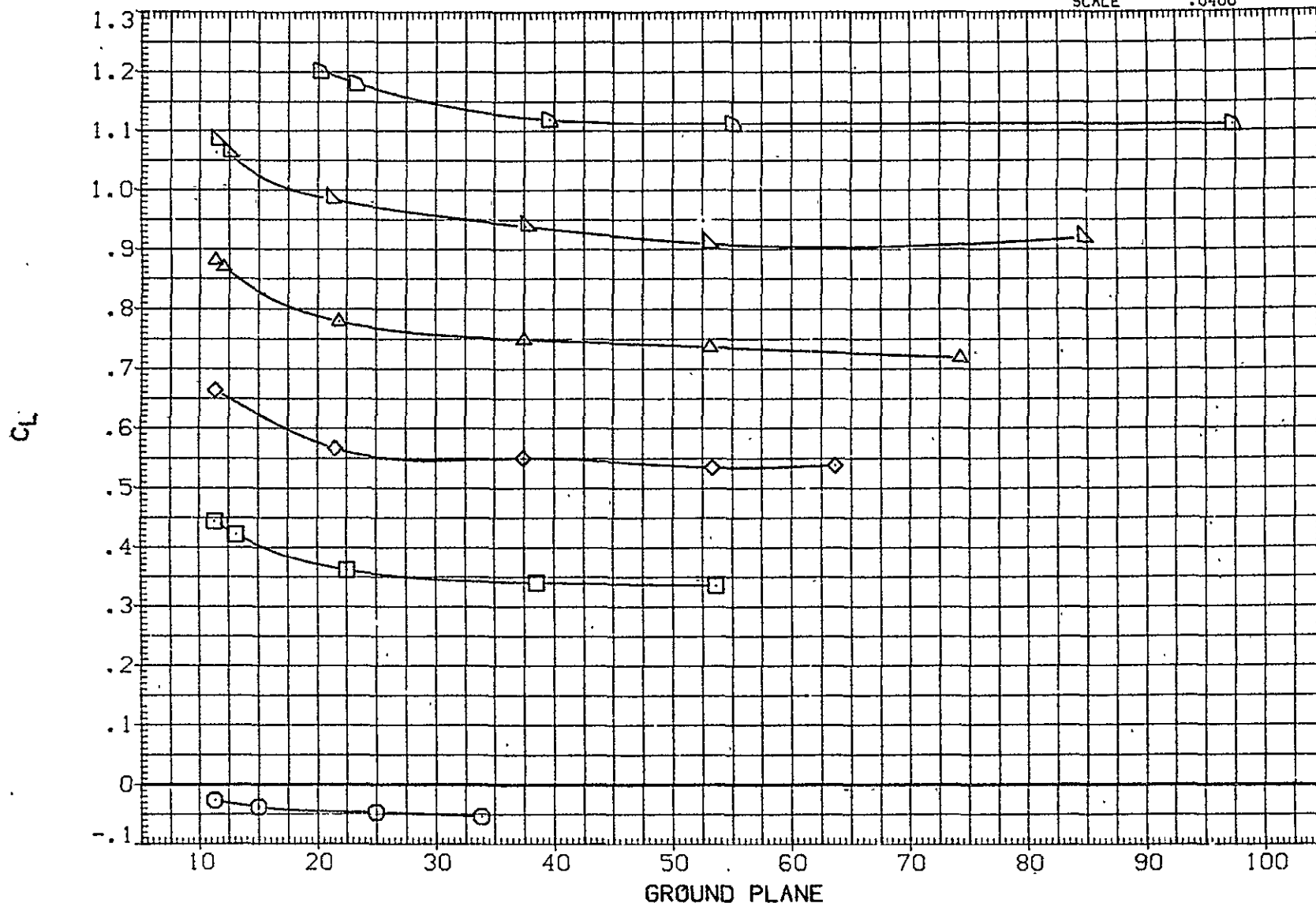


FIG 128 ALT CONFIG IN GROUND PROXIMITY, STAB = 0, ELEVTR=-23, IORB=8, TC OFF
 MAIN BALANCE DATA-GP SWEEPS
 (A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BOFLAP	ELEVON	REFERENCE INFORMATION		
(RJF303)	□	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	.255	8.000	.000	-5.000	SREF	5500.0000	SQ.FT.
(RJF304)		(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	4.075	8.000	.000	-5.000	LREF	327.8000	IN.
(RJF305)	◇	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	6.060	8.000	.000	-5.000	BREF	2348.0000	IN.
(RJF306)		(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	8.107	8.000	.000	-5.000	XMRP	1339.9100	IN.XC
(RJF307)	△	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	10.128	8.000	.000	-5.000	YMRP	.0000	IN.YC
(RJF308)		(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	12.145	8.000	.000	-5.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

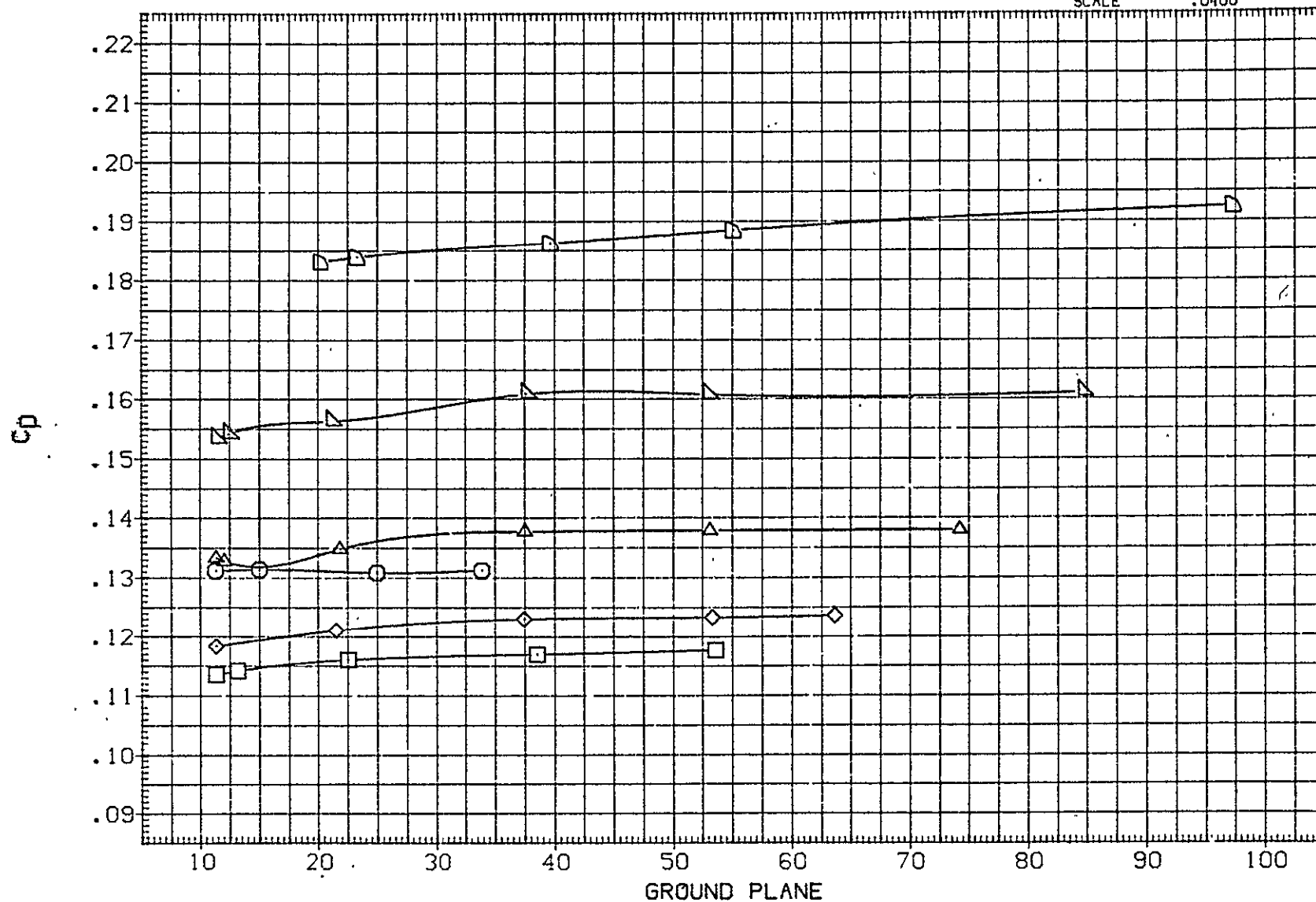


FIG 128 ALT CONFIG IN GROUND PROXIMITY, STAB = 0, ELEVTR=-23, IORB=8, TC OFF
MAIN BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(RJF303)	○	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	.255	8.000	.000	-5.000	SREF	5500.0000	50. FT.
(RJF304)	□	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	4.075	8.000	.000	-5.000	LREF	327.8000	IN.
(RJF305)	◇	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	6.060	8.000	.000	-5.000	BREF	2348.0000	IN.
(RJF306)	△	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	8.107	8.000	.000	-5.000	XMRP	1339.9100	IN. XC
(RJF307)	▽	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	10.128	8.000	.000	-5.000	YMRP	.0000	IN. YC
(RJF308)	◇	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	12.145	8.000	.000	-5.000	ZMRP	190.7500	IN. ZC
							SCALE	.0400	

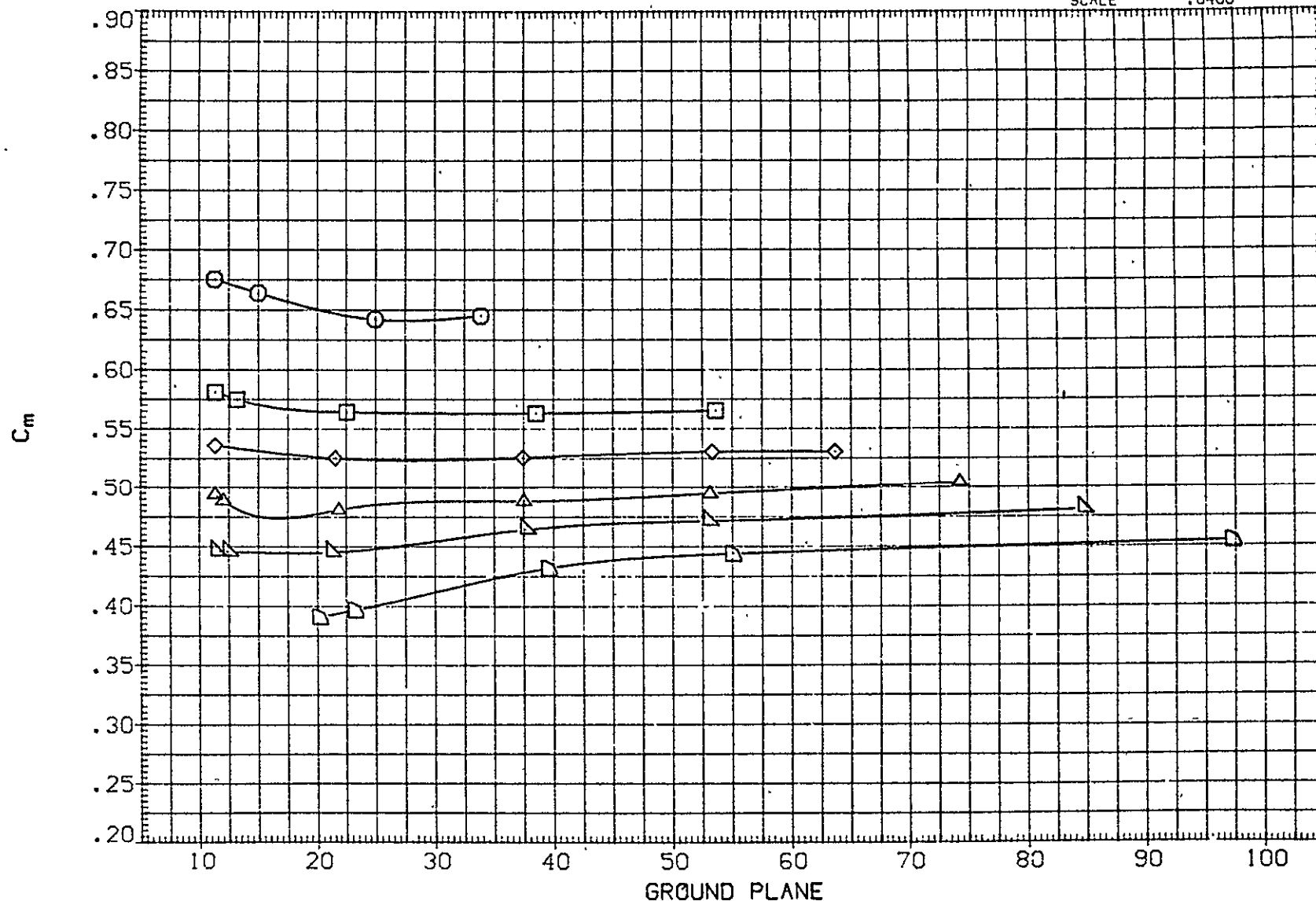


FIG 128 ALT CONFIG IN GROUND PROXIMITY. STAB = 0. ELEVTR=-23. IORB=8. TC OFF
MAIN BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(RJF247)	○	(CA-8) K3.1TS7 F30TS402G5.3.5	.185	8.000	.000	-5.000	SREF	5500.0000	SQ.FT.
(RJF248)	□	(CA-8) K3.1TS7 F30TS402G5.3.5	4.176	8.000	.000	-5.000	LREF	327.8000	IN.
(RJF249)	◇	(CA-8) K3.1TS7 F30TS402G5.3.5	6.162	8.000	.000	-5.000	BREF	2348.0000	IN.
(RJF250)	△	(CA-8) K3.1TS7 F30TS402G5.3.5	8.199	8.000	.000	-5.000	XMRP	1339.9100	IN.XC
(RJF251)	▽	(CA-8) K3.1TS7 F30TS402G5.3.5	10.114	8.000	.000	-5.000	YMRP	.0000	IN.YC
(RJF252)	◻	(CA-8) K3.1TS7 F30TS402G5.3.5	12.218	8.000	.000	-5.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

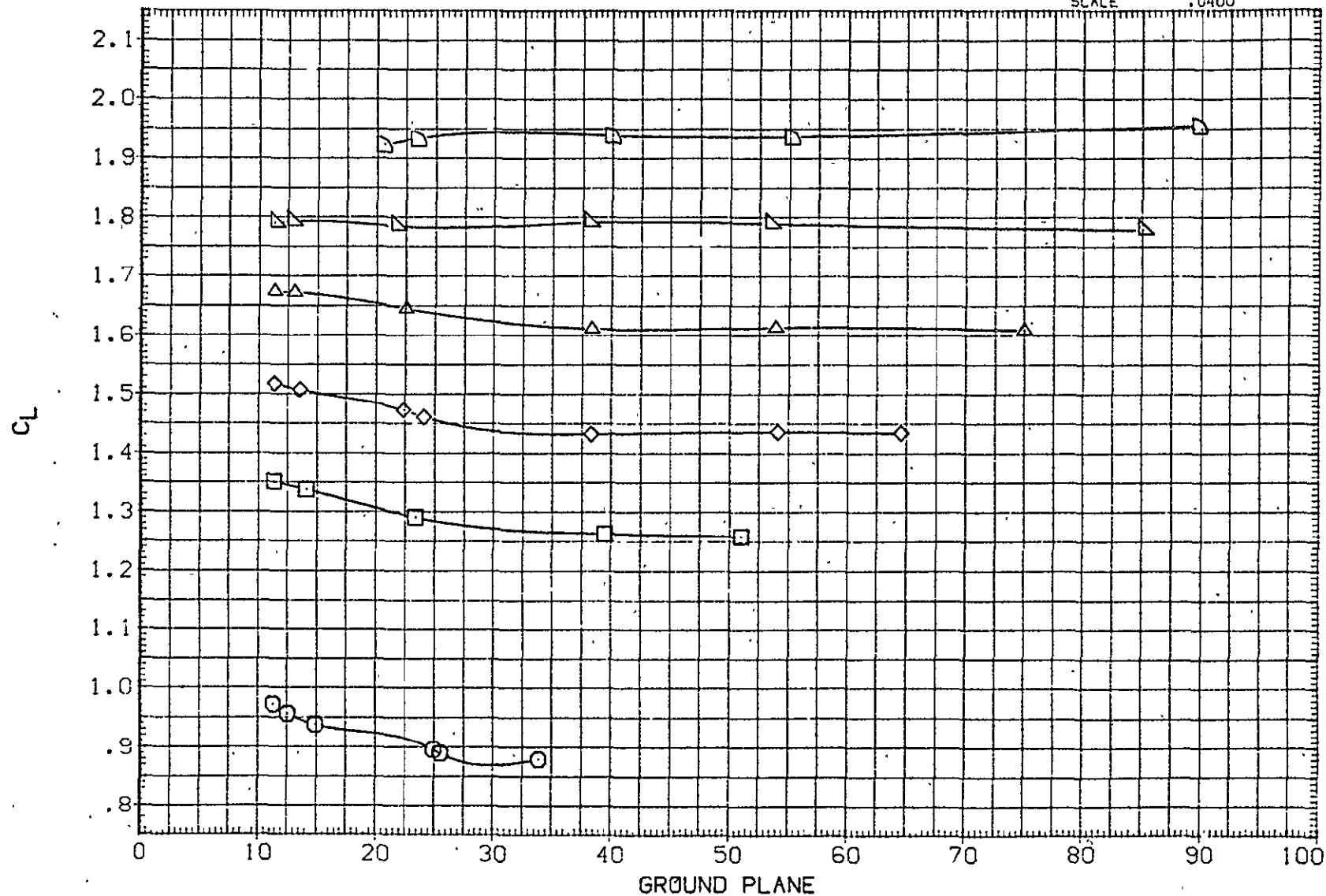


FIG 129 ALT CONFIG IN GROUND PROXIMITY, HORIZ OFF, FLAPS 30, IORB=8, TC OFF
 (A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(RJF247)	○	(CA-8) K3.1TS7 F30TS40265.3.5	.185	8.000	.000	-5.000	SREF	5500.0000	50.FT.
(RJF248)	□	(CA-8) K3.1TS7 F30TS40265.3.5	4.176	8.000	.000	-5.000	LREF	327.8000	IN.
(RJF249)	◇	(CA-8) K3.1TS7 F30TS40265.3.5	6.162	8.000	.000	-5.000	BREF	2348.0000	IN.
(RJF250)	△	(CA-8) K3.1TS7 F30TS40265.3.5	8.199	8.030	.000	-5.000	XMRP	1339.9100	IN.XC
(RJF251)	▽	(CA-8) K3.1TS7 F30TS40265.3.5	10.114	8.030	.000	-5.000	YMRP	.0000	IN.YC
(RJF252)	▷	(CA-8) K3.1TS7 F30TS40265.3.5	12.218	8.030	.000	-5.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

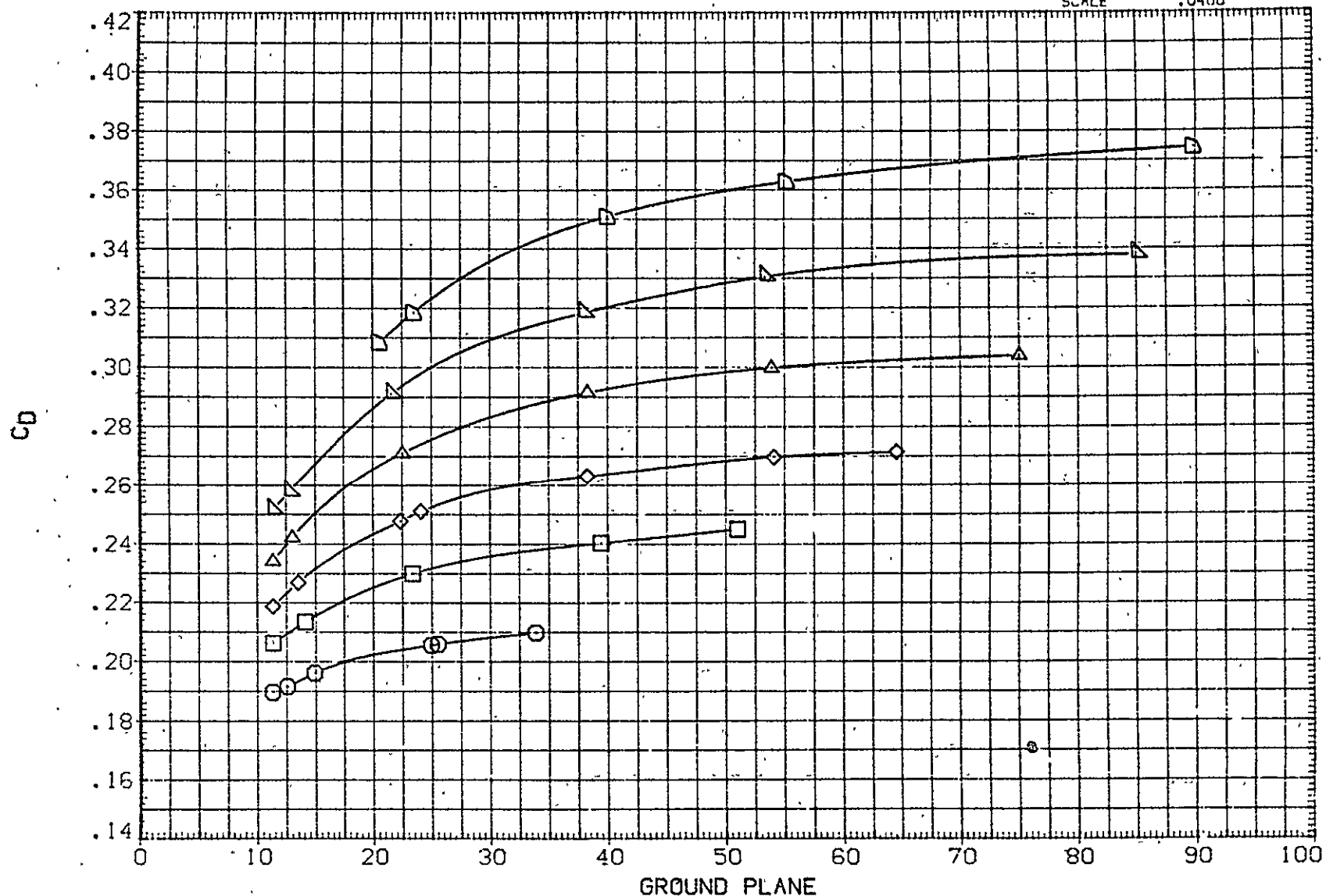


FIG 129 ALT CONFIG IN GROUND PROXIMITY, HORIZ OFF, FLAPS 30, IORB=8, TC OFF
MAIN BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(RJF247)	○	(CA-8) K3.1TS7 F30TS402G5.3.5	.185	8.000	.000	-5.000	SREF	5500.0000	50. FT.
(RJF248)	□	(CA-8) K3.1TS7 F30TS402G5.3.5	4.176	8.000	.000	-5.000	LREF	327.8000	IN.
(RJF249)	◇	(CA-8) K3.1TS7 F30TS402G5.3.5	6.162	8.000	.000	-5.000	BREF	2348.0000	IN.
(RJF250)	△	(CA-8) K3.1TS7 F30TS402G5.3.5	8.199	8.000	.000	-5.000	XMRP	1339.9100	IN. XC
(RJF251)	▽	(CA-8) K3.1TS7 F30TS402G5.3.5	10.114	8.000	.000	-5.000	YMRP	.0000	IN. YC
(RJF252)	◻	(CA-8) K3.1TS7 F30TS402G5.3.5	12.218	8.000	.000	-5.000	ZMRP	190.7500	IN. ZC
							SCALE	.0400	

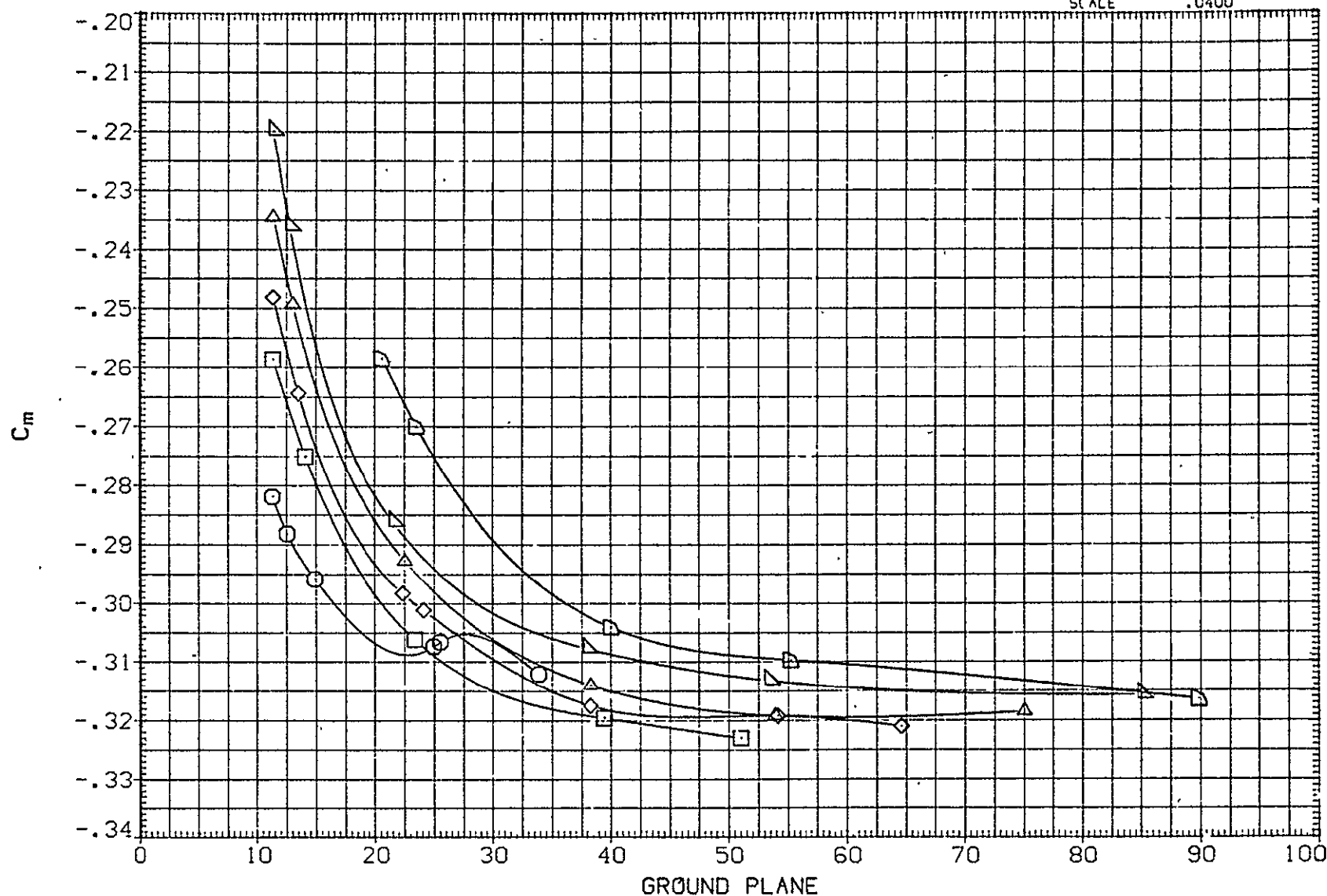


FIG 129 ALT CONFIG IN GROUND PROXIMITY, HORIZ OFF, FLAPS 30, IORB=8, TC OFF
MAIN BALANCE DATA-GP SWEEPS

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(RJF253)	○	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	.182	8.000	.000	-5.000	SREF	5500.0000	SQ.FT.
(RJF254)	□	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	4.155	8.000	.000	-5.000	LREF	327.8000	IN.
(RJF255)	◇	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	6.113	8.000	.000	-5.000	BREF	2348.0000	IN.
(RJF256)	△	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	8.174	8.000	.000	-5.000	XMRP	1339.9100	IN.XC
(RJF257)	▽	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	10.184	8.000	.000	-5.000	YMRP	.0000	IN.YC
(RJF258)	◻	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	12.229	8.000	.000	-5.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

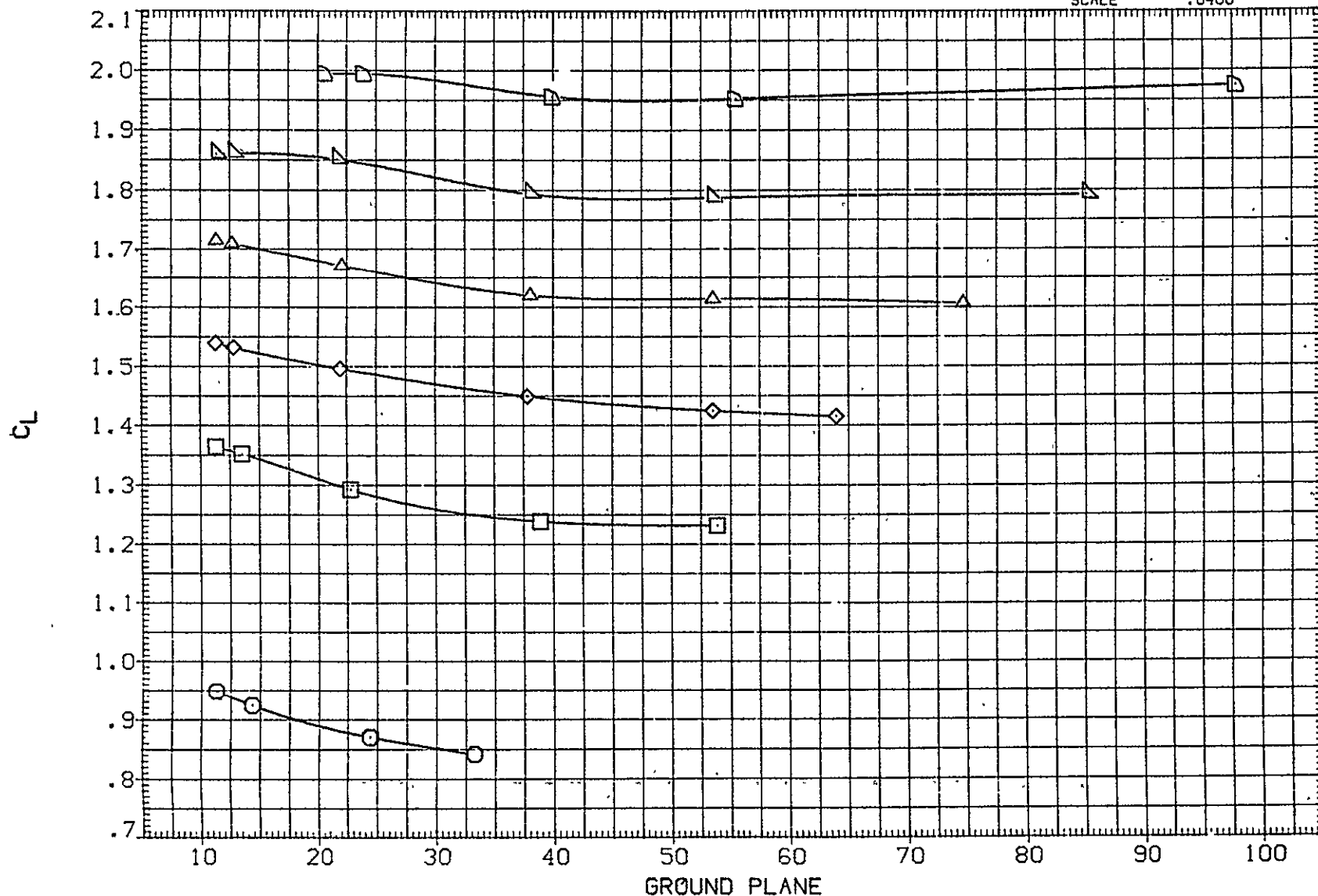


FIG 130 ALT CONFIG IN GROUND PROXIMITY. STAB = 2, FLAPS 30, IORB=8, TC OFF
MAIN BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(RJF253)	○	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	.182	8.000	.000	-5.000	SREF	5500.0000	SQ.FT.
(RJF254)	□	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	4.155	8.000	.000	-5.000	LREF	327.8000	IN.
(RJF255)	◇	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	6.113	8.000	.000	-5.000	BREF	2348.0000	IN.
(RJF256)	△	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	8.174	8.000	.000	-5.000	XMRP	1339.9100	IN. XC
(RJF257)	▽	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	10.184	8.000	.000	-5.000	YMRP	.0000	IN. YC
(RJF258)	◻	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	12.229	8.000	.000	-5.000	ZMRP	190.7500	IN. ZC
							SCALE	.0400	

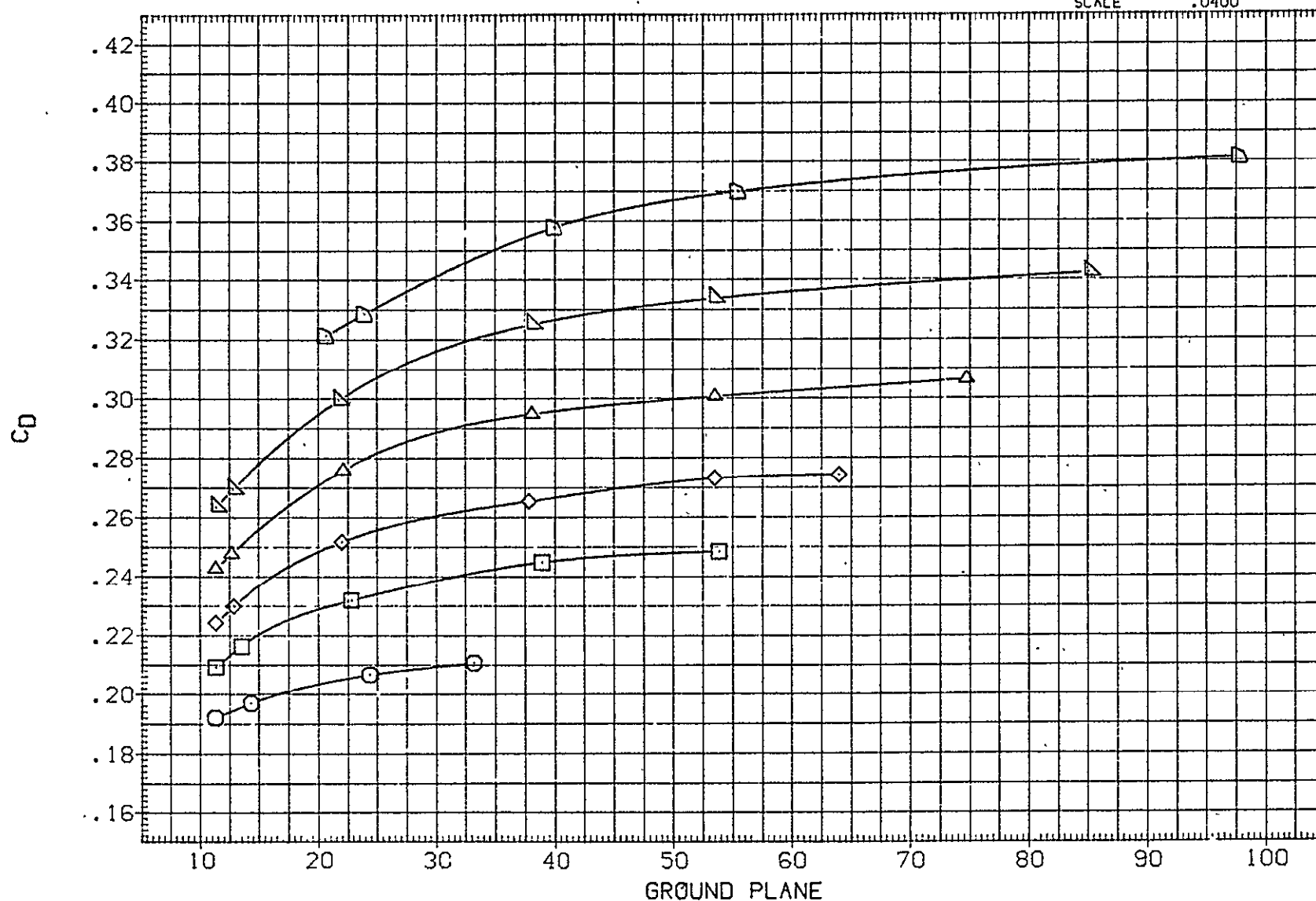


FIG 130 ALT CONFIG IN GROUND PROXIMITY, STAB = 2, FLAPS 30, IORB=8, TC OFF
MAIN BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION			
(RJF253)	○	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	.182	8.000	.000	-5.000	SREF	5500.0000	50. FT.	(1)
(RJF254)	□	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	4.155	8.000	.000	-5.000	LREF	327.8000	IN.	(1)
(RJF255)	◇	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	6.113	8.000	.000	-5.000	BREF	2348.0000	IN.	(1)
(RJF256)	△	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	8.174	8.000	.000	-5.000	XMRP	1339.9100	IN. XC	(1)
(RJF257)	▽	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	10.184	8.000	.000	-5.000	YMRP	.0000	IN. YC	(1)
(RJF258)	◻	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	12.229	8.000	.000	-5.000	ZMRP	190.7500	IN. ZC	(1)
							SCALE	.0400		

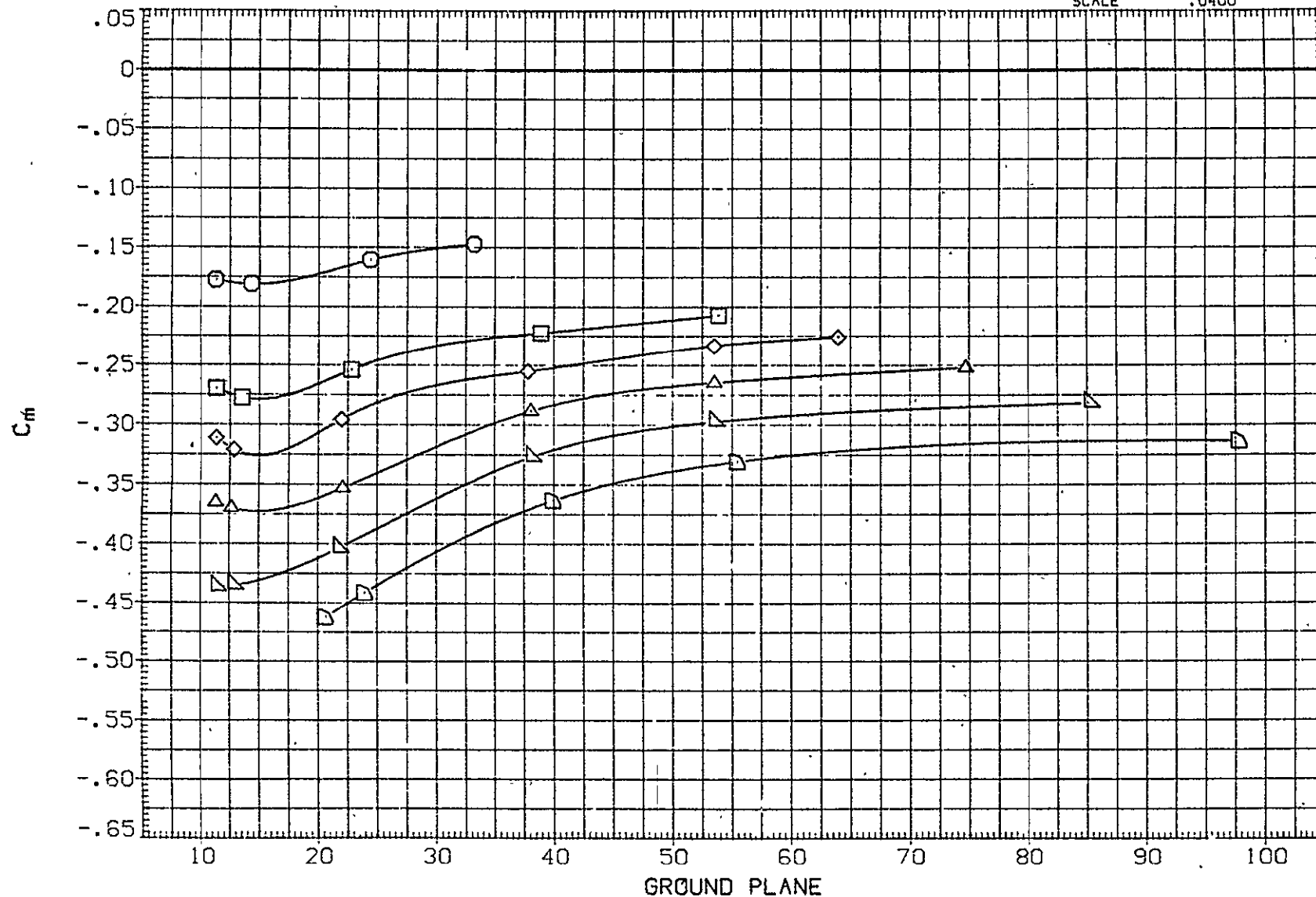


FIG 130 AL; CONFIG IN GROUND PROXIMITY, STAB = 2, FLAPS 30, IORB=8, TC OFF
MAIN BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(RJF266)	□	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	.092	8.000	.000	-5.000	SREF	5500.0000	SQ.FT.
(RJF267)	○	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	4.187	8.000	.000	-5.000	LREF	327.8000	IN.
(RJF268)	◇	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	6.100	8.000	.000	-5.000	BREF	2348.0000	IN.
(RJF269)	△	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	8.172	8.000	.000	-5.000	XMRP	1339.9100	IN.XC
(RJF270)	▽	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	10.130	8.000	.000	-5.000	YMRP	.0000	IN.YC
(RJF271)	◻	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	12.184	8.000	.000	-5.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

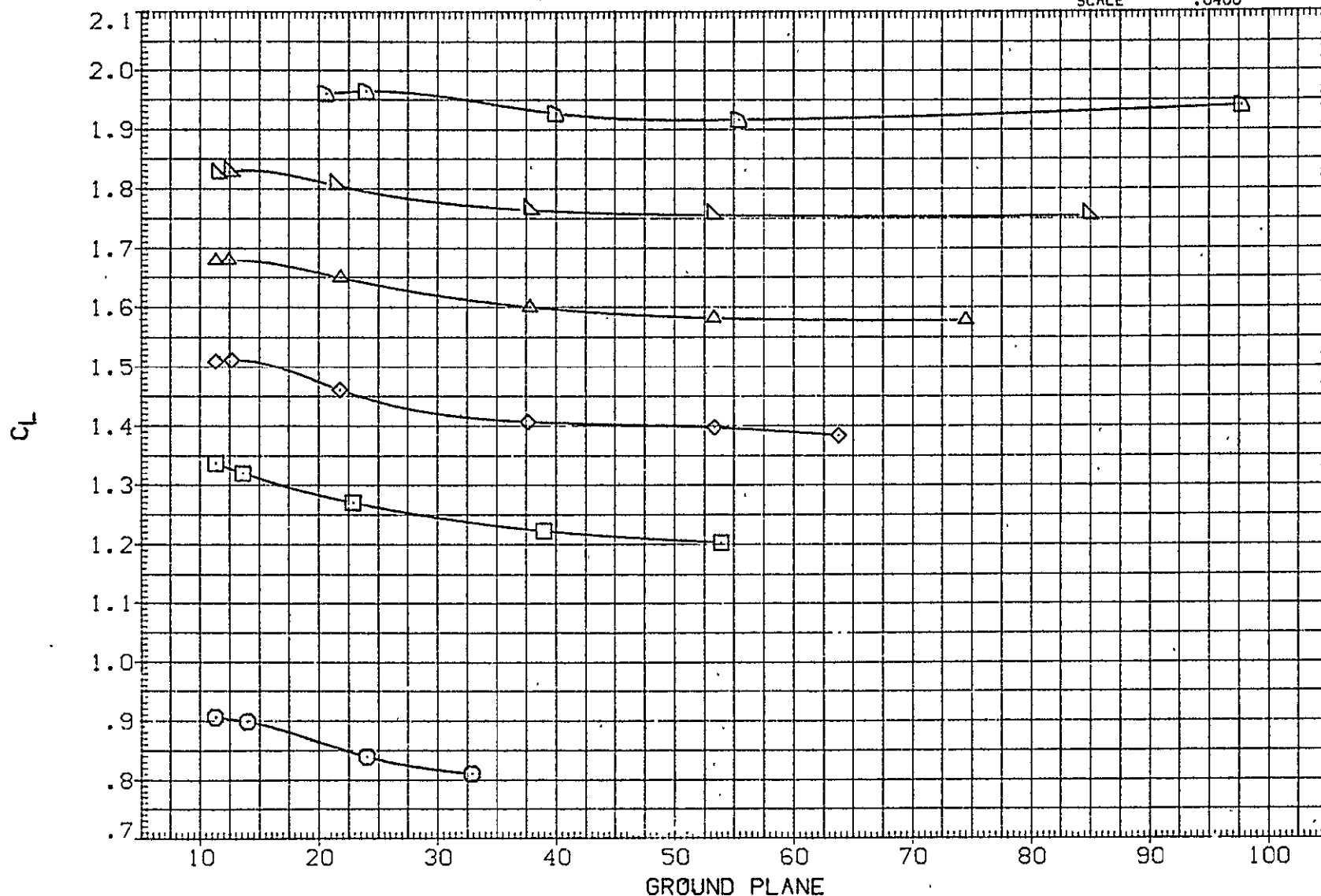


FIG 131 ALT CONFIG IN GROUND PROXIMITY, STAB = 0, FLAPS 30, IORB=8, TC OFF
MAIN BALANCE DATA-GP SWEEPS

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION			
(RJF266)	○	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	.092	8.000	.000	-5.000	SREF	5500.0000	50.FT.	(f
(RJF267)	□	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	4.187	8.000	.000	-5.000	LREF	327.8000	IN.	(f
(RJF268)	◇	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	6.100	8.000	.000	-5.000	BREF	2348.0000	IN.	(f
(RJF269)	△	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	8.172	8.000	.000	-5.000	XMRP	1339.9100	IN.XC	(f
(RJF270)	▽	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	10.130	8.000	.000	-5.000	YMRP	.0000	IN.YC	(f
(RJF271)	▷	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	12.184	8.000	.000	-5.000	ZMRP	190.7500	IN.ZC	(f
							SCALE	.0400		

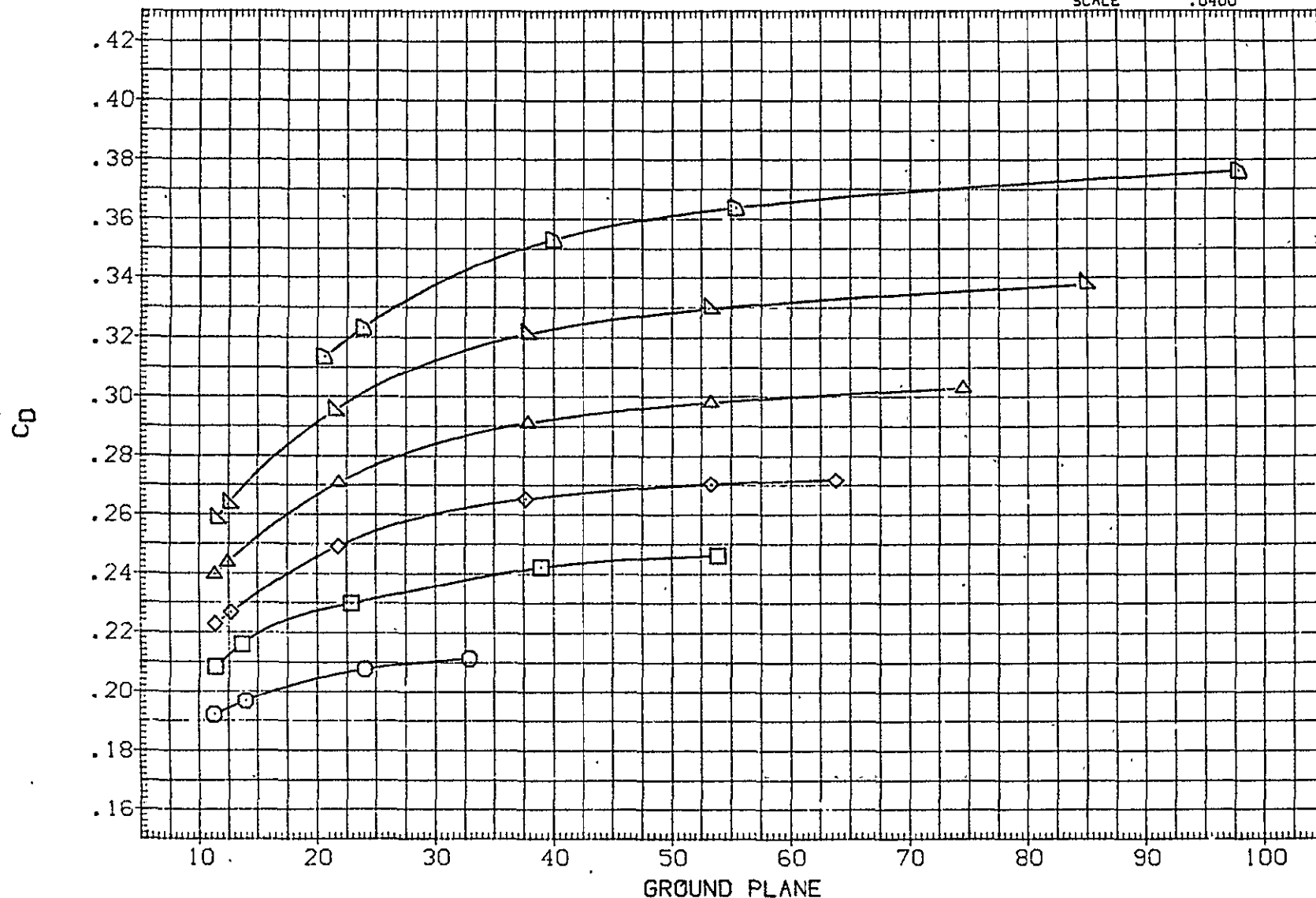


FIG 131 ALT CONFIG IN GROUND PROXIMITY, STAB = 0, FLAPS 30, IORB=8, TC OFF
MAIN BALANCE DATA-GP SWEEPS

(A)MACH = .15

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ORIGINAL PAGE IS POOR

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA _W	I _{ORB}	BOFLAP	ELEVON	REFERENCE INFORMATION		
(RJF266)	○	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	.092	8.000	.000	-5.000	SREF	5500.0000	SQ.FT.
(RJF267)	□	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	4.187	8.000	.000	-5.000	LREF	327.8000	IN.
(RJF268)	◇	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	6.100	8.000	.000	-5.000	BREF	2348.0000	IN.
(RJF269)	△	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	8.172	8.000	.000	-5.000	XMRP	1339.9100	IN.XC
(RJF270)	▽	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	10.130	8.000	.000	-5.000	YMRP	.0000	IN.YC
(RJF271)	◁	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	12.184	8.000	.000	-5.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

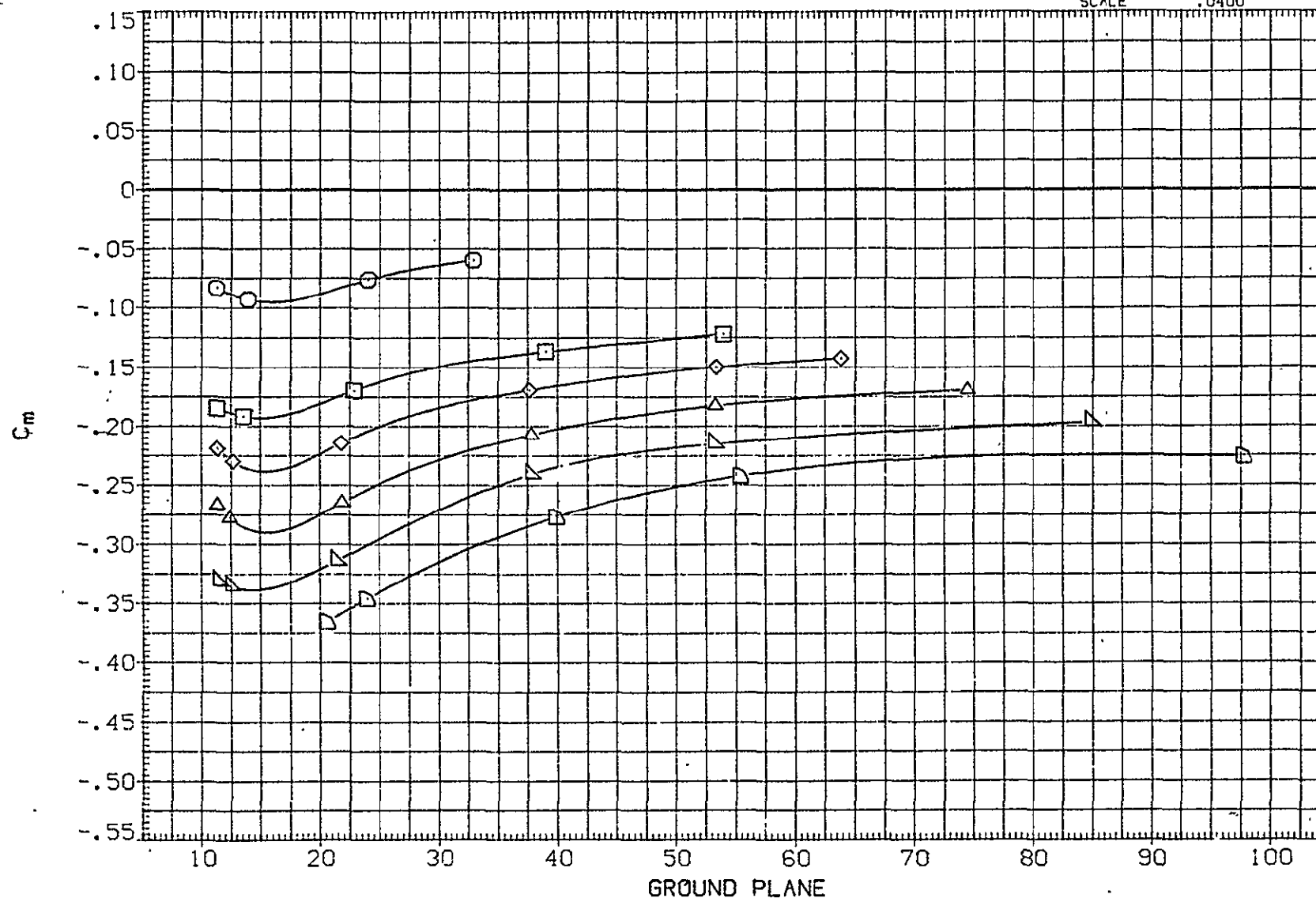


FIG 131 ALT CONFIG IN GROUND PROXIMITY, STAB = 0, FLAPS 30, I_{ORB}=8, TC OFF
MAIN BALANCE DATA-GP SWEEPS

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(RJF259)	○	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	.137	8.000	.000	-5.000	SREF	5500.0000	50.FT.
(RJF260)	□	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	4.181	8.000	.000	-5.000	LREF	327.8000	IN.
(RJF261)	◇	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	6.166	8.000	.000	-5.000	BREF	2348.0000	IN.
(RJF262)	△	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	8.149	8.000	.000	-5.000	XMRP	1339.9100	IN.XC
(RJF263)	▽	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	10.166	8.000	.000	-5.000	YMRP	.0000	IN.YC
(RJF264)	◻	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	12.163	8.000	.000	-5.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

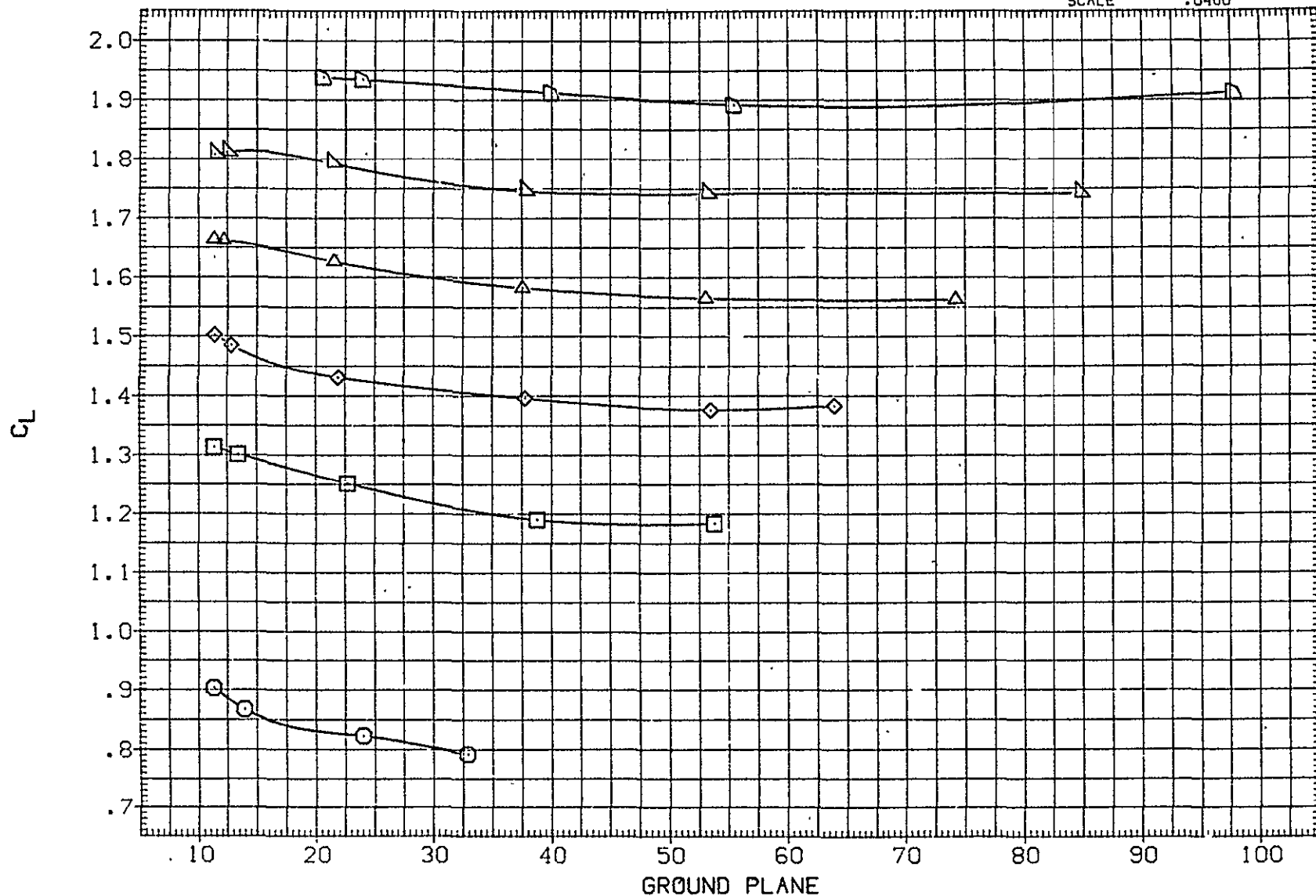


FIG 132 ALT CONFIG IN GROUND PROXIMITY, STAB = -2, FLAPS 30, IORB=8, TC OFF
MAIN BALANCE DATA-GP SWEEPS

(A)MACH = .15

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DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA _W	I _{ORB}	BD _{FLAP}	ELEVON	REFERENCE INFORMATION		
(RJF258)	○	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	.137	8.000	.000	-5.000	SREF	5500.0000	50. FT.
(RJF260)	◇	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	4.181	8.000	.000	-5.000	LREF	327.8000	IN.
(RJF261)	◇	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	6.166	8.000	.000	-5.000	BREF	2348.0000	IN.
(RJF262)	△	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	8.149	8.000	.000	-5.000	XMRP	1339.9100	IN. XC
(RJF263)	△	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	10.166	8.000	.000	-5.000	YMRP	.0000	IN. YC
(RJF264)	△	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	12.163	8.000	.000	-5.000	ZMRP	190.7500	IN. ZC
							SCALE	.0400	

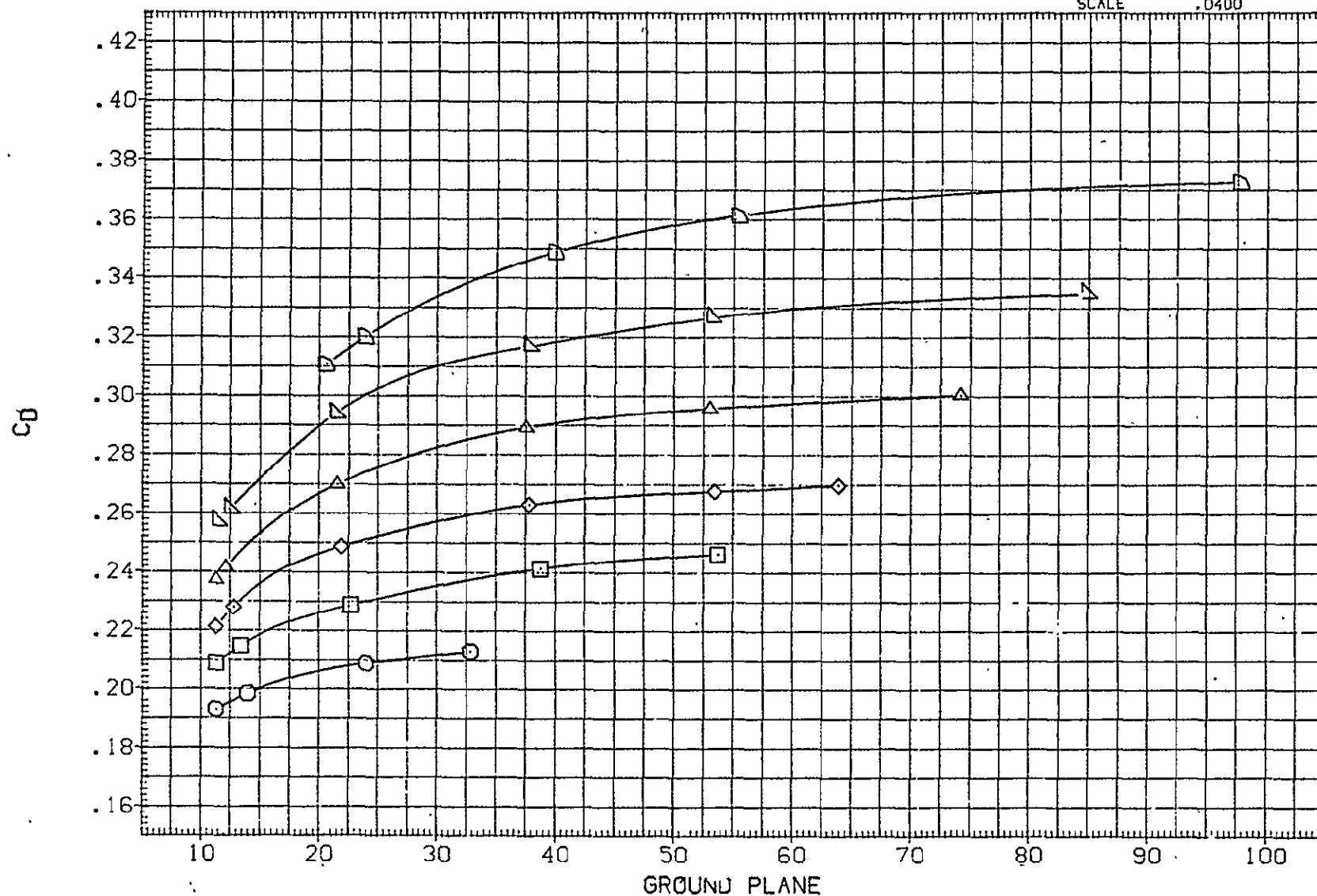


FIG 132 ALT CONFIG IN GROUND PROXIMITY, STAB = -2, FLAPS 30, I_{ORB}=8, TC OFF
MAIN BALANCE DATA-GP SWEEPS

(A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(RJF259)	○	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	.137	8.000	.000	-5.000	SREF	5500.0000	SQ.FT.
(RJF260)	□	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	4.181	8.000	.000	-5.000	LREF	327.8000	IN.
(RJF261)	◇	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	6.166	8.000	.000	-5.000	BREF	2348.0000	IN.
(RJF262)	△	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	8.149	8.000	.000	-5.000	XMRP	1339.9100	IN.XC
(RJF263)	▽	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	10.166	8.000	.000	-5.000	YMRP	.0000	IN.YC
(RJF264)	◁	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	12.163	8.000	.000	-5.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

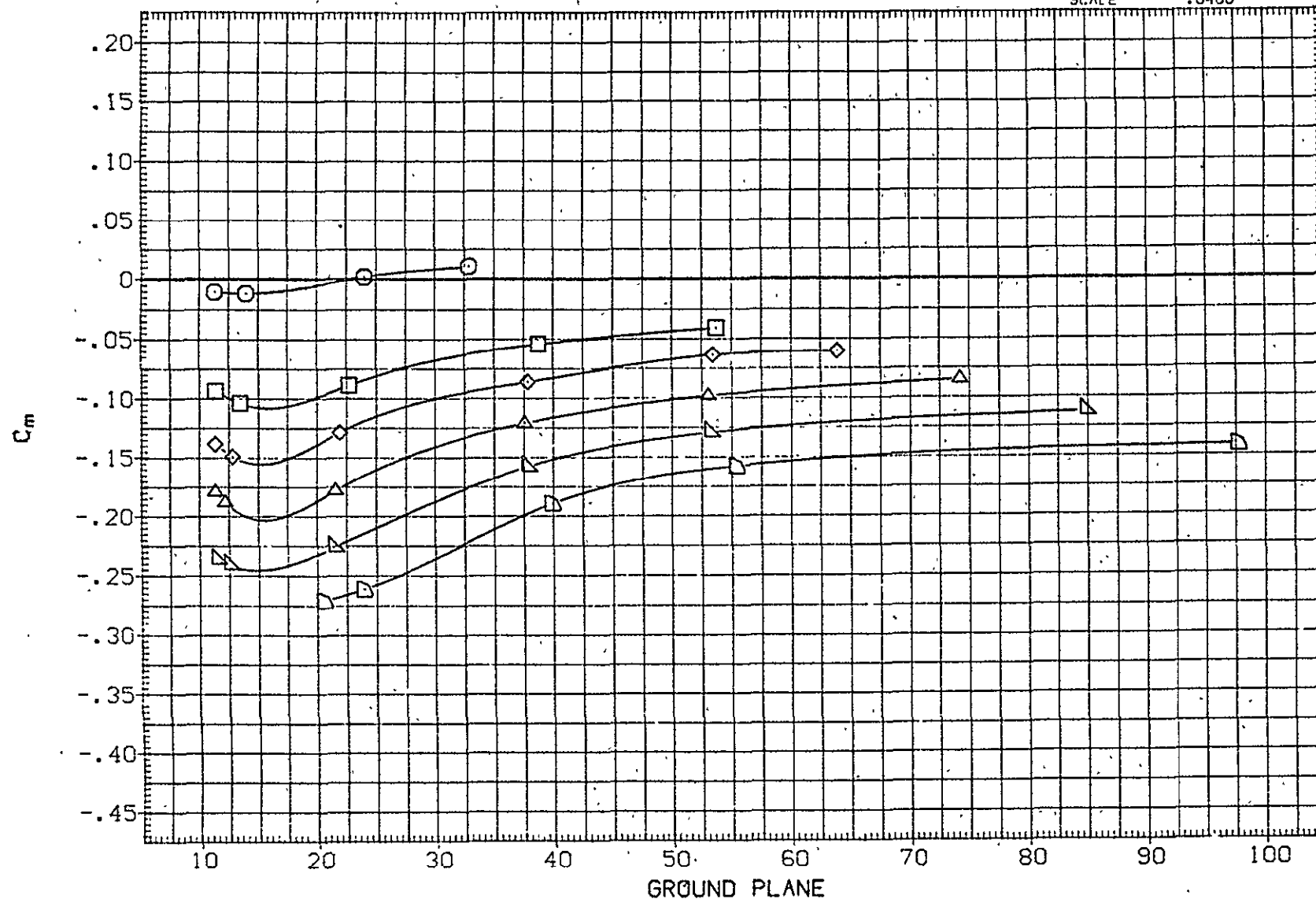


FIG 132 ALT CONFIG IN GROUND PROXIMITY, STAB = -2, FLAPS 30, IORB=8, TC OFF
MAIN BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(RJF241)	○	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	.204	8.000	.000	-5.000	SREF	5500.0000	50. FT.
(RJF242)	□	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	4.127	8.000	.000	-5.000	LREF	327.8000	IN.
(RJF243)	◇	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	6.143	8.000	.000	-5.000	BREF	2348.0000	IN.
(RJF244)	△	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	8.137	8.000	.000	-5.000	XMRP	1339.9100	IN. XC
(RJF245)	▽	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	10.104	8.000	.000	-5.000	YMRP	.0000	IN. YC
(RJF246)	◻	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	12.217	8.000	.000	-5.000	ZMRP	190.7500	IN. ZC
							SCALE	.0400	

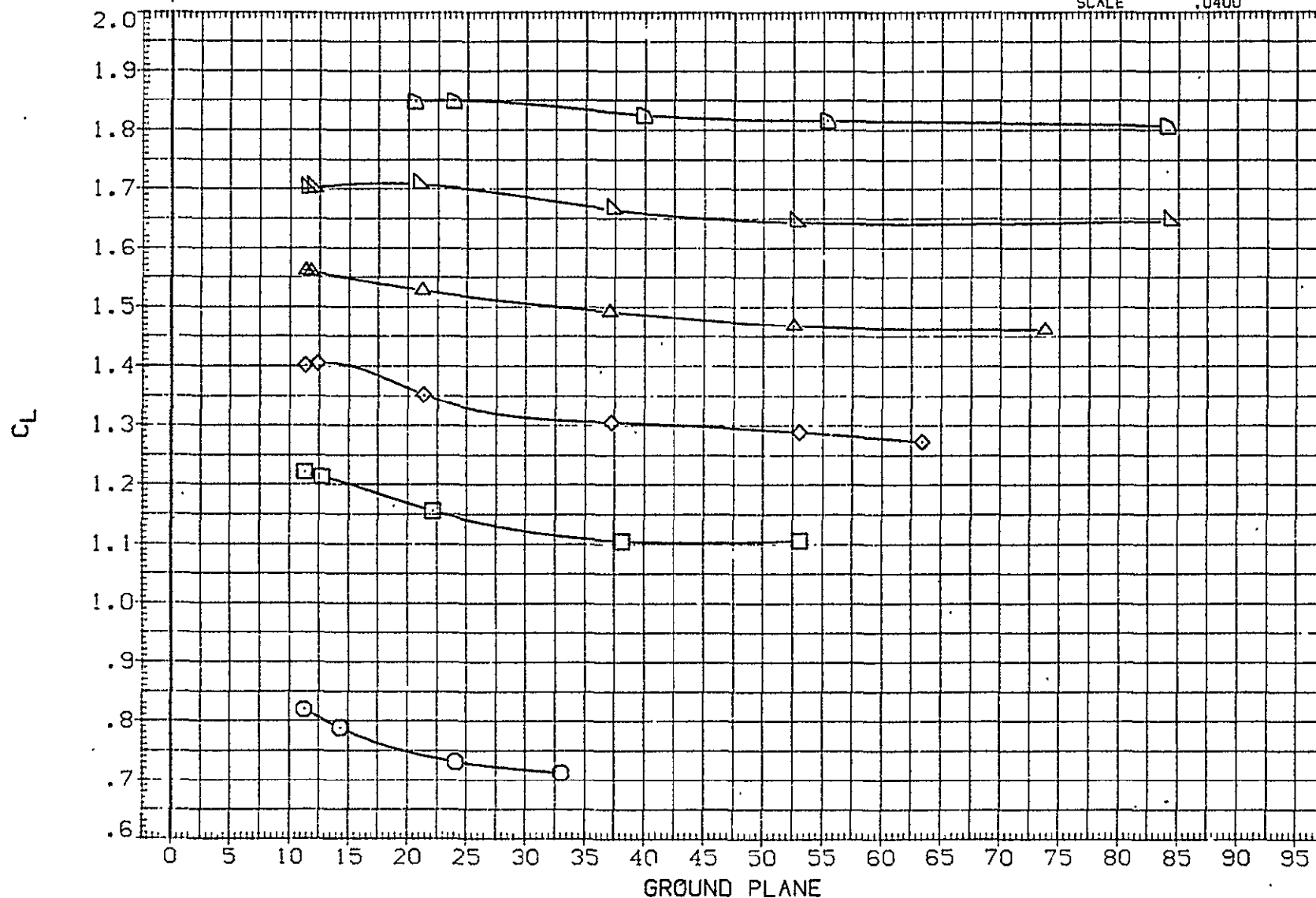


FIG 133 ALT CONFIG IN GROUND PROXIMITY, STAB = 0, ELEVTR=-23, IORB=8, TC OFF
MAIN BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(RJF241)	○	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	.204	8.000	.000	-5.000	SREF	5500.0000	50.FT.
(RJF242)	□	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	4.127	8.000	.000	-5.000	LREF	327.8000	IN.
(RJF243)	◇	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	6.143	8.000	.000	-5.000	BREF	2348.0000	IN.
(RJF244)	△	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	8.137	8.000	.000	-5.000	XMRP	1339.9100	IN.XC
(RJF245)	▽	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	10.104	8.000	.000	-5.000	YMRP	.0000	IN.YC
(RJF246)	◻	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	12.217	8.000	.000	-5.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

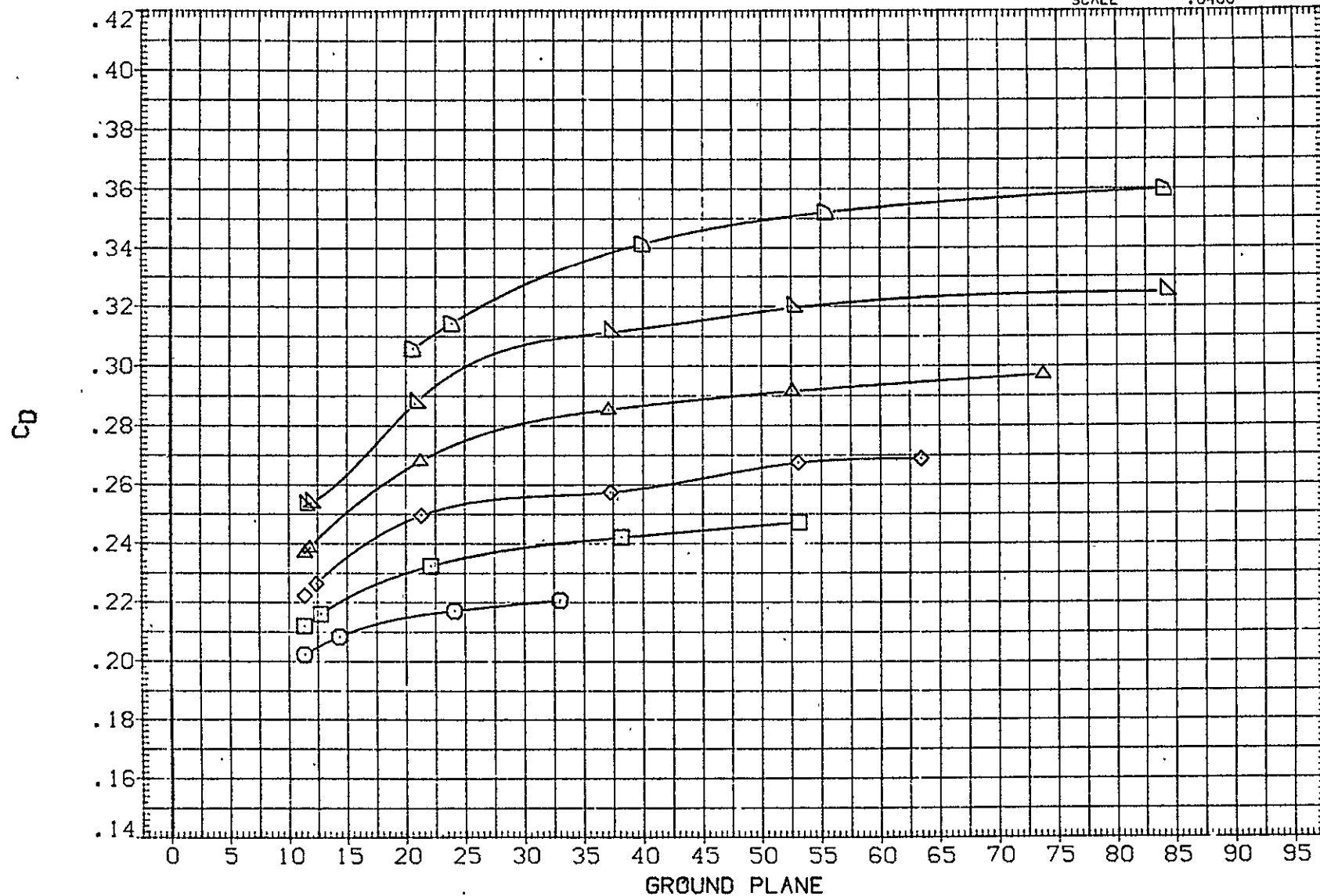


FIG 133 ALT CONFIG IN GROUND PROXIMITY, STAB = 0, ELEVTR=-23, IORB=8, TC OFF
MAIN BALANCE DATA-GP SWEEPS

(A)MACH = .15

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ORIGINAL PAGE IS POOR

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(RJF241)	○	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	.204	8.000	.000	-5.000	SREF	5500.0000	SQ.FT.
(RJF242)	□	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	4.127	8.000	.000	-5.000	LREF	327.8000	IN.
(RJF243)	◇	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	6.143	8.000	.000	-5.000	BREF	2348.0000	IN.
(RJF244)	△	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	8.137	8.000	.000	-5.000	XMRP	1339.9100	IN.XC
(RJF245)	▽	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	10.104	8.000	.000	-5.000	YMRP	.0000	IN.YC
(RJF246)	◻	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	12.217	8.000	.000	-5.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

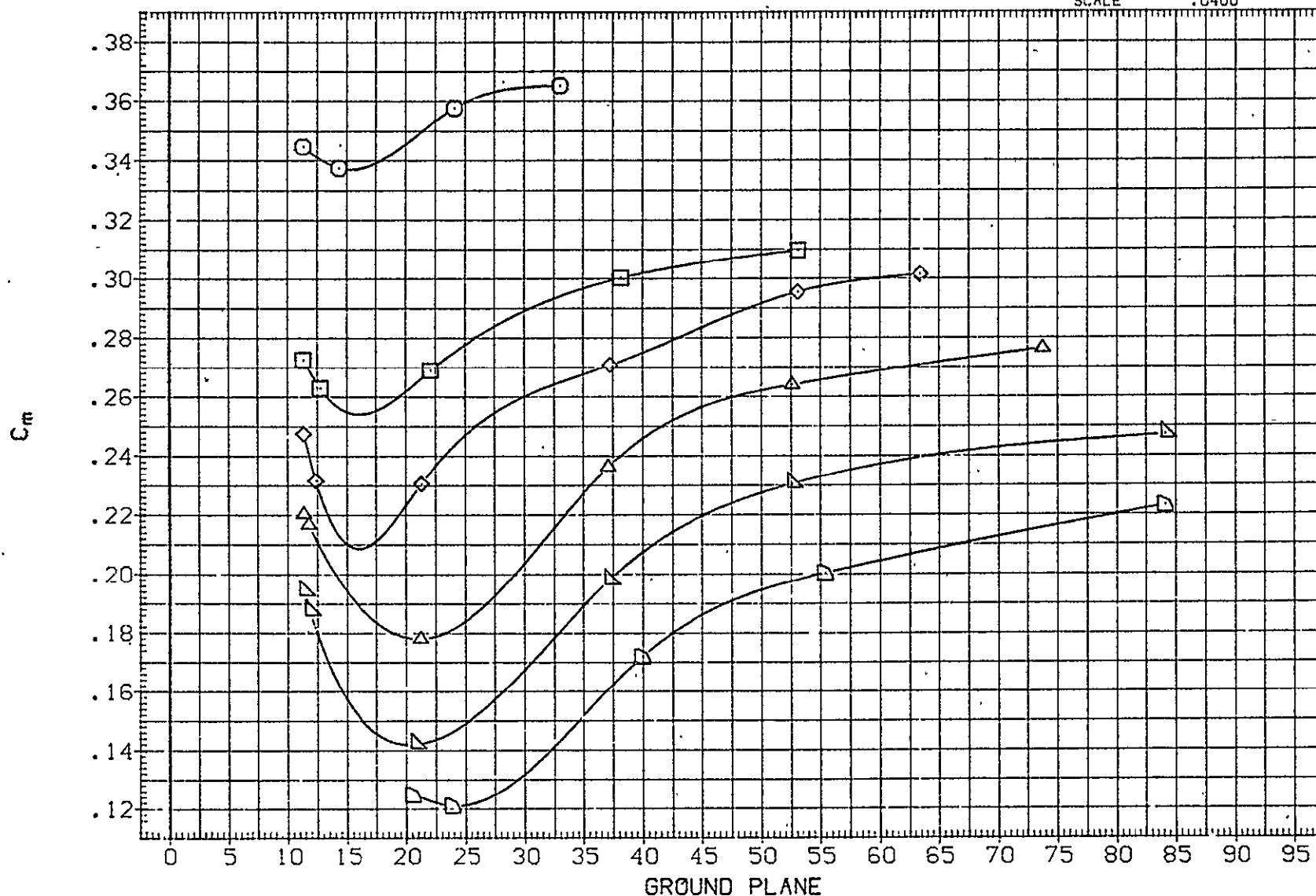


FIG 133 ALT CONFIG IN GROUND PROXIMITY, STAB = 0, ELEVTR=-23, IORB=8, TC OFF
MAIN BALANCE DATA-GP SWEEPS

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BETA	REFERENCE INFORMATION		
(UJF122)	○	(CA-8) K2V9.1.2TS6 FOTS401			-11.700	.000	SREF	5500.0000	SQ.FT.
(UJF123)	□	(CA-8) K2V9.1.2TS6H15.6.1FOTS401	.000	-4.000	-11.700	.000	LREF	327.8000	IN.
(UJF124)	◇	(CA-8) K2V9.1.2TS6H15.6.1FOTS401	.000	-2.000	-11.700	.000	BREF	2348.0000	IN.
(UJF125)	△	(CA-8) K2V9.1.2TS6H15.6.1FOTS401	.000	.000	-11.700	.000	XMRP	1339.9100	IN.XC
							YMRP	.0000	IN.YC
							ZMRP	190.7500	IN.ZC
							SCALE	.0400	

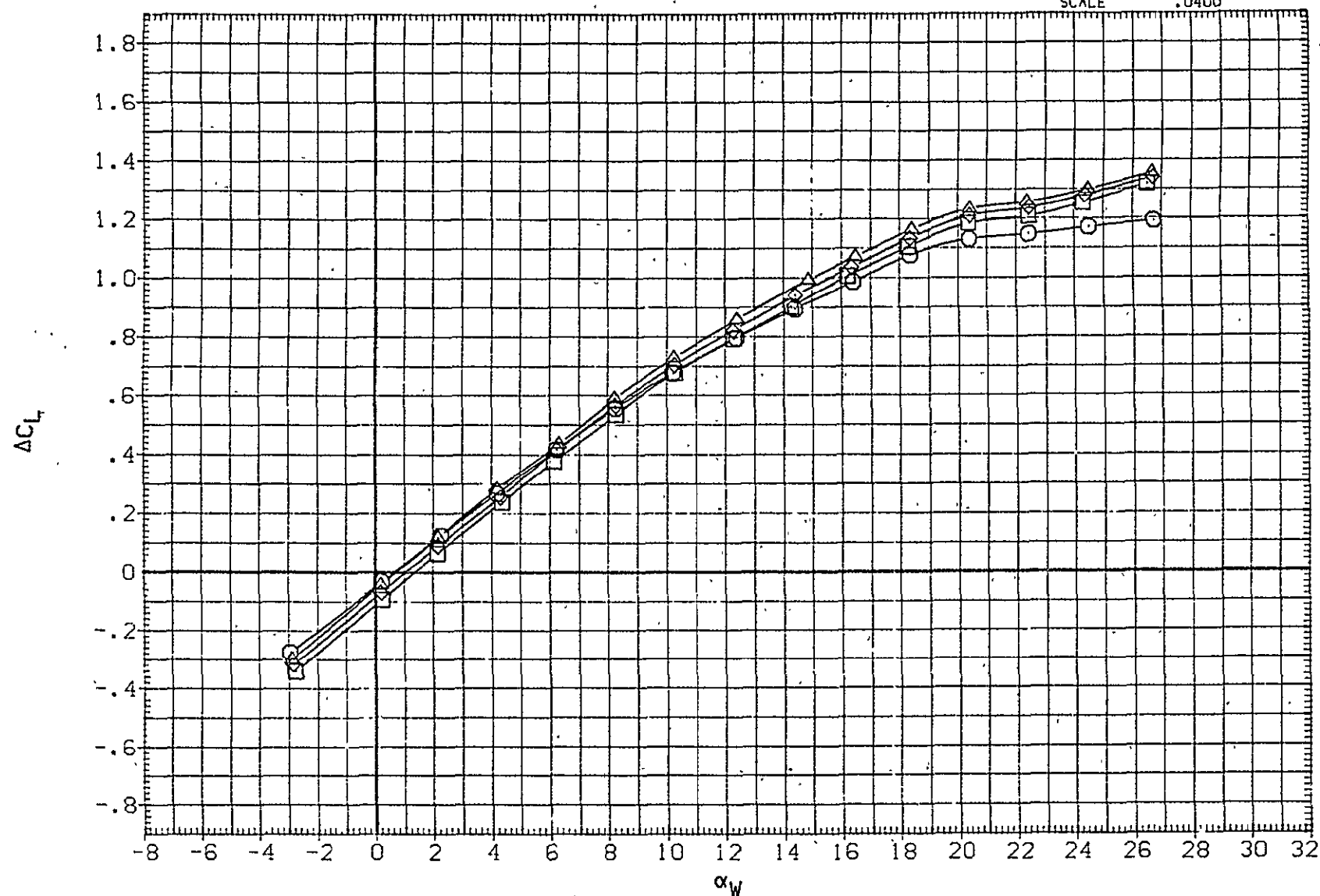


FIG 134 FERRY CONFIG. STABILIZER EFFECTIVENESS, FLAPS UP, ICRB=3, TC ON, ELEV=0
CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE). ALPHA SWEEPS

(A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BETA	REFERENCE INFORMATION		
(UJF122)	○	(CA-8) K2V9.1.2TS6 FOTS401			-11.700	.000	SREF	5500.0000	SQ.FT.
(UJF123)	□	(CA-8) K2V9.1.2TS6H15.6.1FOTS401	.000	-4.000	-11.700	.000	LREF	327.8000	IN.
(UJF124)	◇	(CA-8) K2V9.1.2TS6H15.6.1FOTS401	.000	-2.000	-11.700	.000	BREF	2348.0000	IN.
(UJF125)	△	(CA-8) K2V9.1.2TS6H15.6.1FOTS401	.000	.000	-11.700	.000	XMRP	1339.9100	IN.XC
							YMRP	.0000	IN.YC
							ZMRP	190.7500	IN.ZC
							SCALE	.0400	

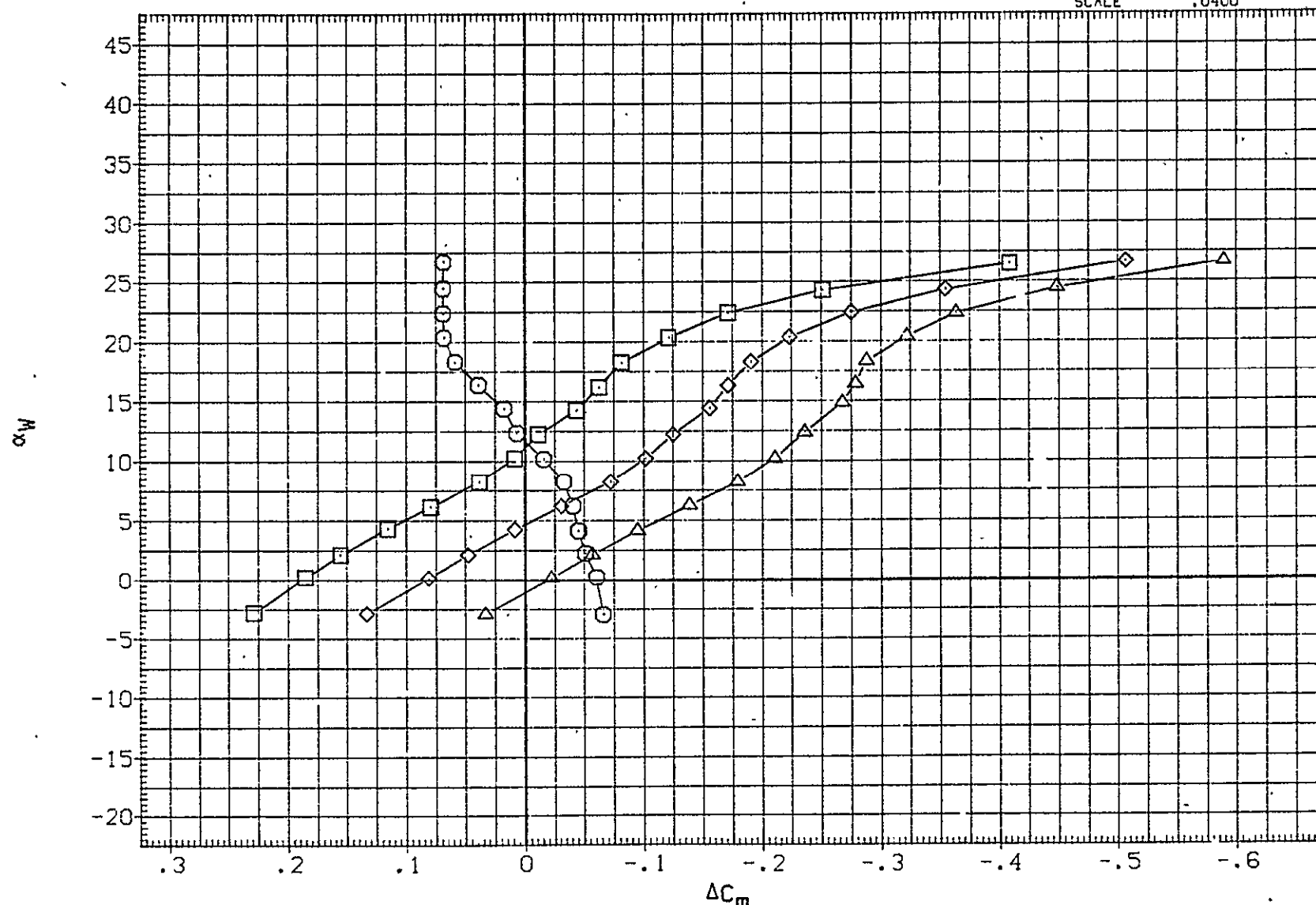


FIG 134 FERRY CONFIG. STABILIZER EFFECTIVENESS, FLAPS UP, $\text{IORB}=3$, TC ON, ELEV=0
CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), ALPHA SWEEPS

(A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BETA	REFERENCE INFORMATION		
(UJF122)	○	(CA-8) K2V9.1.2TS6 FOTS401			-11.700	.000	SREF	5500.0000	SQ.FT.
(UJF123)	□	(CA-8) K2V9.1.2TS6H15.6.1FOTS401	.000	-4.000	-11.700	.000	LREF	327.8000	IN.
(UJF124)	◇	(CA-8) K2V9.1.2TS6H15.6.1FOTS401	.000	-2.000	-11.700	.000	BREF	2348.0000	IN.
(UJF125)	△	(CA-8) K2V9.1.2TS6H15.6.1FOTS401	.000	.000	-11.700	.000	XMRP	1339.9100	IN.XC
							YMRP	.0000	IN.YC
							ZMRP	190.7500	IN.ZC
							SCALE	.0400	

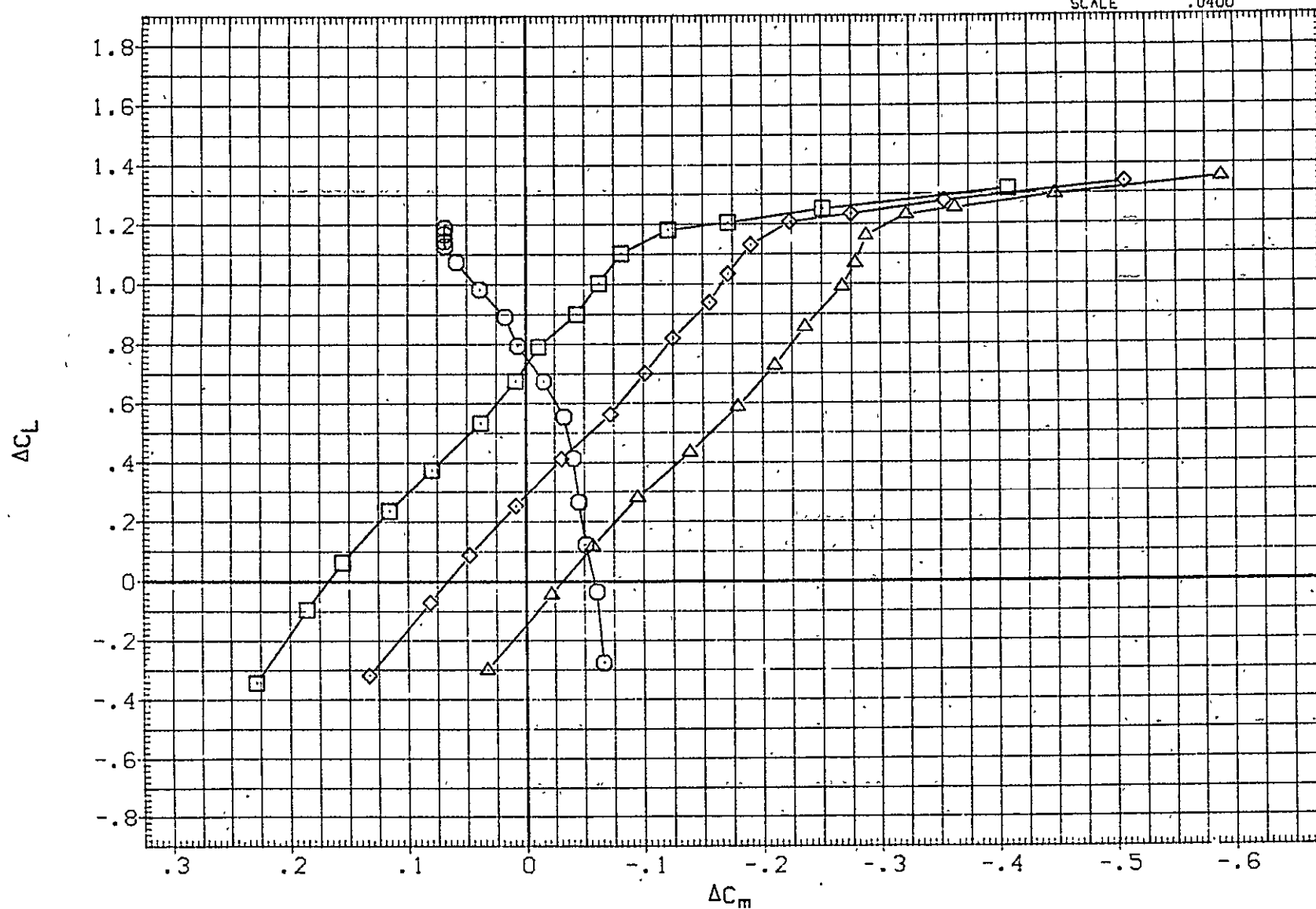


FIG 134 FERRY CONFIG. STABILIZER EFFECTIVENESS, FLAPS UP. IORB=3. TC ON, ELEV=0
CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE). ALPHA SWEEPS

(A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BETA	REFERENCE INFORMATION		
(UJF122)	○	(CA-8) K2V9.1.2TS6 FOTS401			-11.700	.000	SREF	5500.0000	SQ.FT.
(UJF123)	□	(CA-8) K2V9.1.2TS6H15.6.1FOTS401	.000	-4.000	-11.700	.000	LREF	327.8000	IN.
(UJF124)	◇	(CA-8) K2V9.1.2TS6H15.6.1FOTS401	.000	-2.000	-11.700	.000	BREF	2348.0000	IN.
(UJF125)	△	(CA-8) K2V9.1.2TS6H15.6.1FOTS401	.000	.000	-11.700	.000	XMRP	1339.9100	IN.XC
							YMRP	.0000	IN.YC
							ZMRP	190.7500	IN.ZC
							SCALE	.0400	

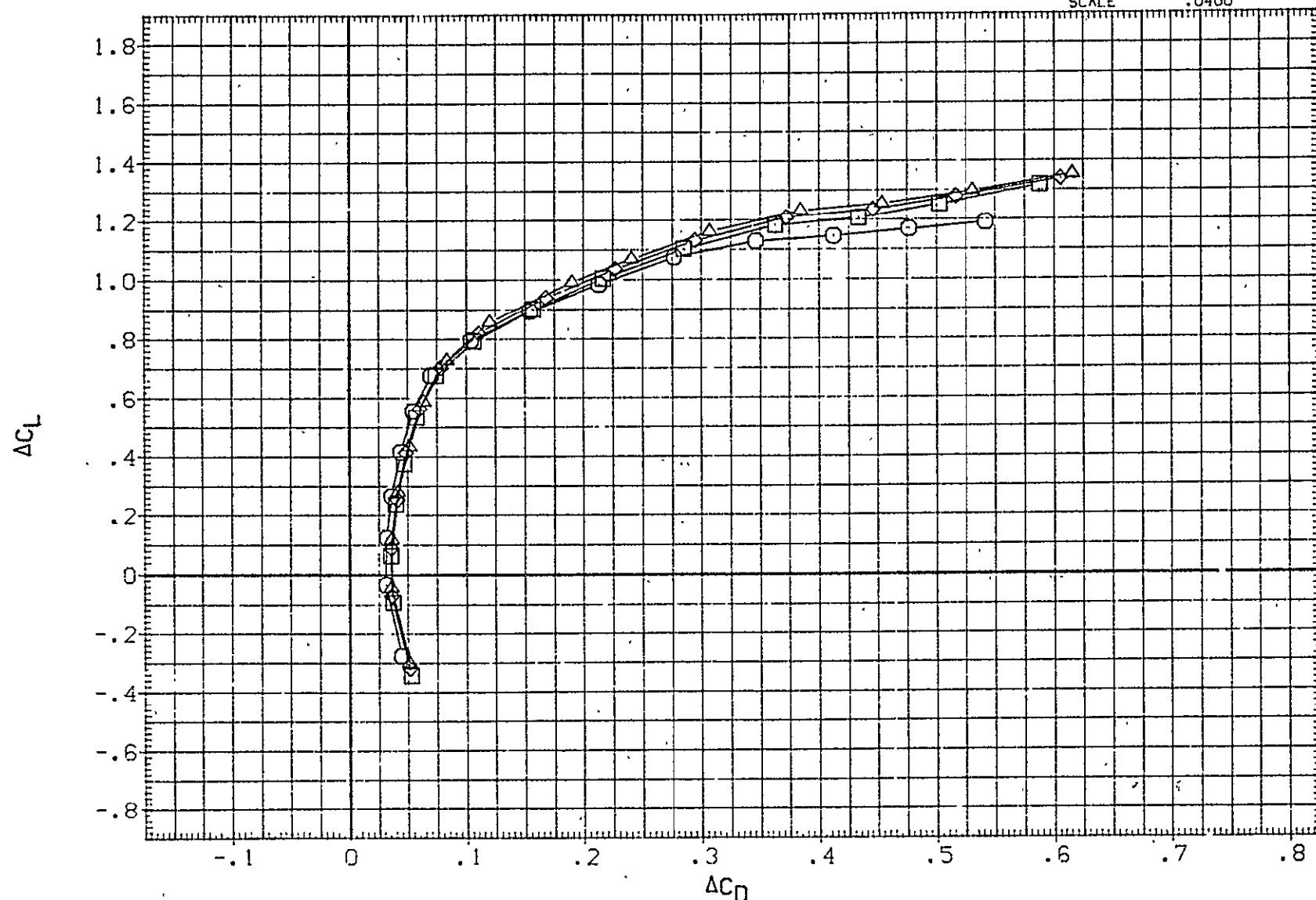


FIG 134 FERRY CONFIG. STABILIZER EFFECTIVENESS, FLAPS UP, IORB=3, TC ON, ELEV=0
CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), ALPHA SWEEPS

(A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BETA	REFERENCE INFORMATION		
(UJF115)	○	(CA-8) K2V9.1.2TS5F30G5.3.5TS401			-11.700	.000	SREF	5500.0000	50.FT.
(UJF116)	□	(CA-8) K2V9.1.2TS5H15.6.1F10TS401	.000	3.000	-11.700	.000	LREF	327.8000	IN.
(UJF117)	◇	(CA-8) K2V9.1.2TS5H15.6.1F10TS401	.000	.000	-11.700	.000	BREF	2348.0000	IN.
(UJF118)	△	(CA-8) K2V9.1.2TS5H15.6.1F10TS401	.000	-4.000	-11.700	.000	XMPP	1339.9100	IN. XC
(UJF119)	▽	(CA-8) K2V9.1.2TS5H15.6.1F10TS401	.000	-2.000	-11.700	.000	YMPP	.0000	IN. YC
							ZMPP	190.7500	IN. ZC
							SCALE	.0400	

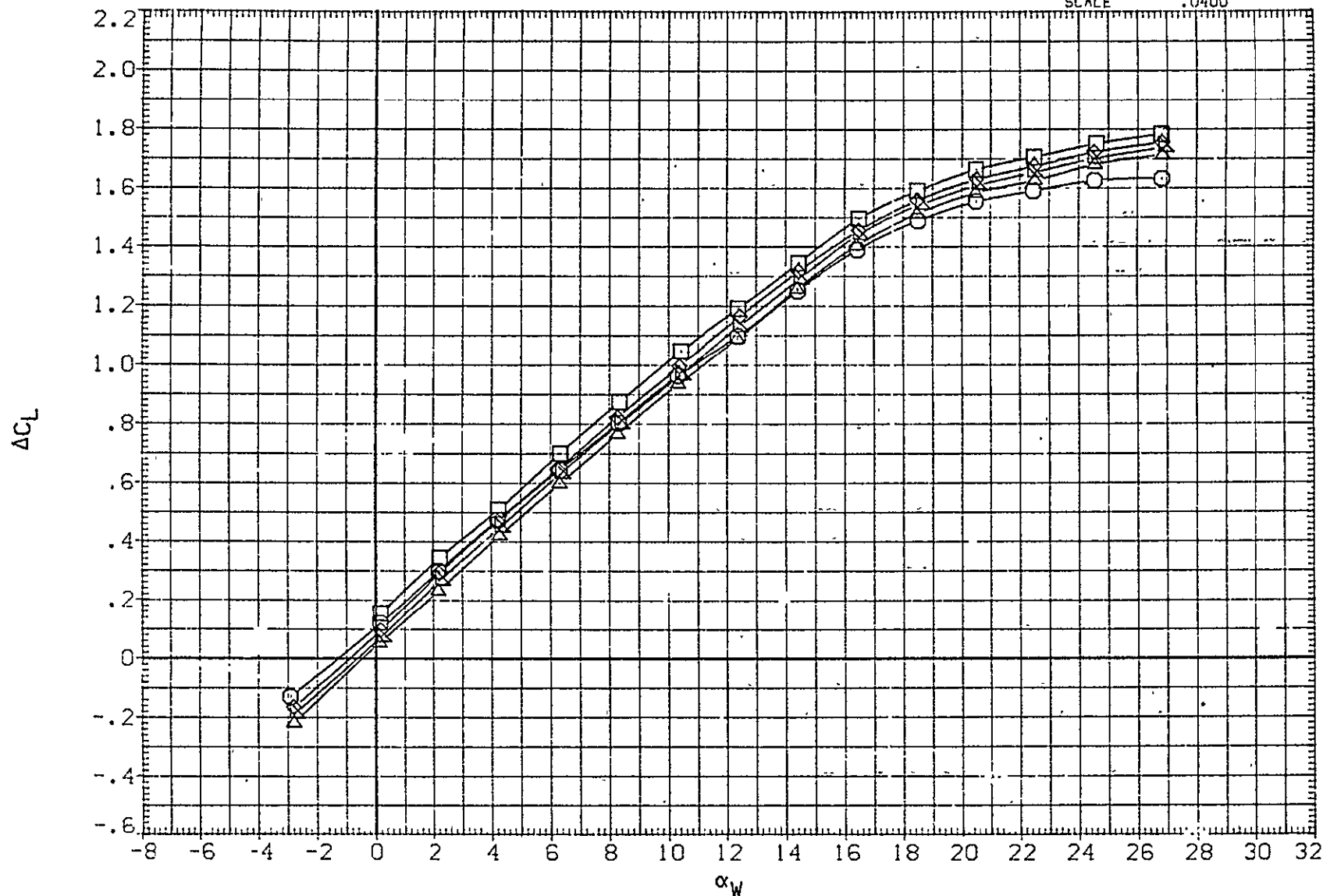


FIG 135 FERRY CONFIG. STABILIZER EFFECTIVENESS, FLAPS 10, IORB=3, TC ON, ELEV=0
CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), ALPHA SWEEPS

(A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BETA	REFERENCE INFORMATION		
(UJF115)	○	(CA-8) K2V9.1.2TSF3065.3.5TS401			-11.700	.000	SREF	5500.0000	50. FT.
(UJF116)	□	(CA-8) K2V9.1.2TS5H15.6.1F10TS401	.000	3.000	-11.700	.000	LREF	327.8000	IN.
(UJF117)	◇	(CA-8) K2V9.1.2TS5H15.6.1F10TS401	.000	.000	-11.700	.000	BREF	2348.0000	IN.
(UJF118)	△	(CA-8) K2V9.1.2TS5H15.6.1F10TS401	.000	-4.000	-11.700	.000	XMRP	1339.9100	IN. XC
(UJF119)	▽	(CA-8) K2V9.1.2TS5H15.6.1F10TS401	.000	-2.000	-11.700	.000	YMRP	.0000	IN. YC
							ZMRP	190.7500	IN. ZC
							SCALE	.0400	

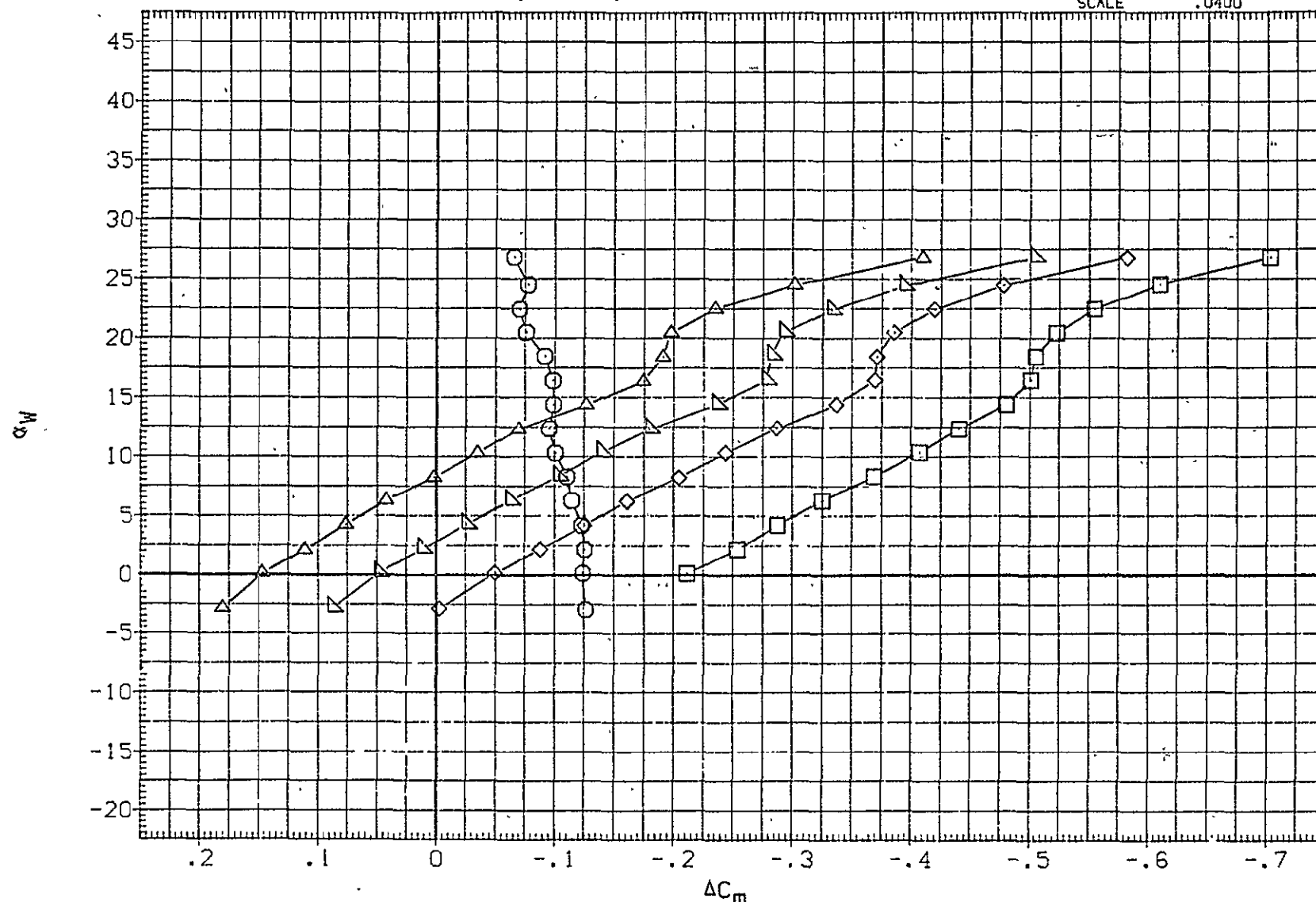


FIG 135 FERRY CONFIG. STABILIZER EFFECTIVENESS, FLAPS 10, IORB=3, TC ON, ELEV=0
CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), ALPHA SWEEPS

(A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BOFLAP	BETA	REFERENCE INFORMATION		
(UJF115)	○	(CA-8) K2V9.1.2TS5F30G5.3.5TS401			-11.700	.000	SREF	5500.0000	SQ.FT.
(UJF116)	◇	(CA-8) K2V9.1.2TS5H15.6.1F10TS401	.000	3.000	-11.700	.000	LREF	327.8000	IN.
(UJF117)	△	(CA-8) K2V9.1.2TS5H15.6.1F10TS401	.000	.000	-11.700	.000	BREF	2348.0000	IN.
(UJF118)	▽	(CA-8) K2V9.1.2TS5H15.6.1F10TS401	.000	-4.000	-11.700	.000	XMRP	1339.9100	IN.XC
(UJF119)	□	(CA-8) K2V9.1.2TS5H15.6.1F10TS401	.000	-2.000	-11.700	.000	YMRP	.0000	IN.YC
							ZMRP	190.7500	IN.ZC
							SCALE	.0400	

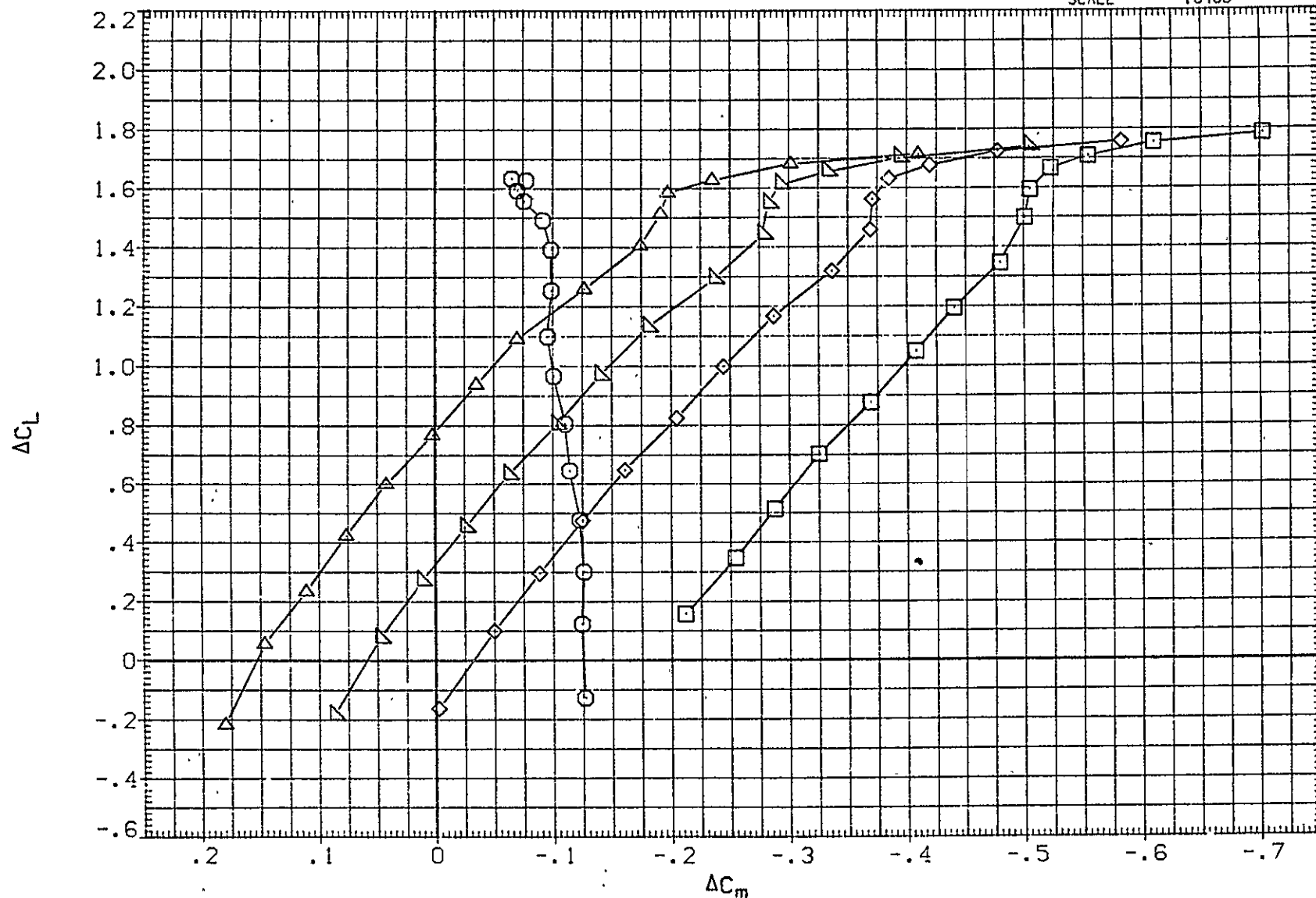


FIG 135 FERRY CONFIG. STABILIZER EFFECTIVENESS, FLAPS 10, IORB=3, TC ON, ELEV=0
CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), ALPHA SWEEPS

(A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BNFLAP	BETA	REFERENCE INFORMATION		
(UJF115)	○	(CA-8) K2V9.1.2TS5F30G5.3.5TS401			-11.700	.000	SREF	5500.0000	SQ.FT.
(UJF116)	□	(CA-8) K2V9.1.2TS5H15.6.1F10TS401	.000	3.000	-11.700	.000	LREF	327.8000	IN.
(UJF117)	◇	(CA-8) K2V9.1.2TS5H15.6.1F10TS401	.000	.000	-11.700	.000	BREF	2348.0000	IN.
(UJF118)	△	(CA-8) K2V9.1.2TS5H15.6.1F10TS401	.000	-4.000	-11.700	.000	XMRP	1339.9100	IN.XC
(UJF119)	▽	(CA-8) K2V9.1.2TS5H15.6.1F10TS401	.000	-2.000	-11.700	.000	YMRP	.0000	IN.YC
							ZMRP	190.7500	IN.ZC
							SCALE	.0400	

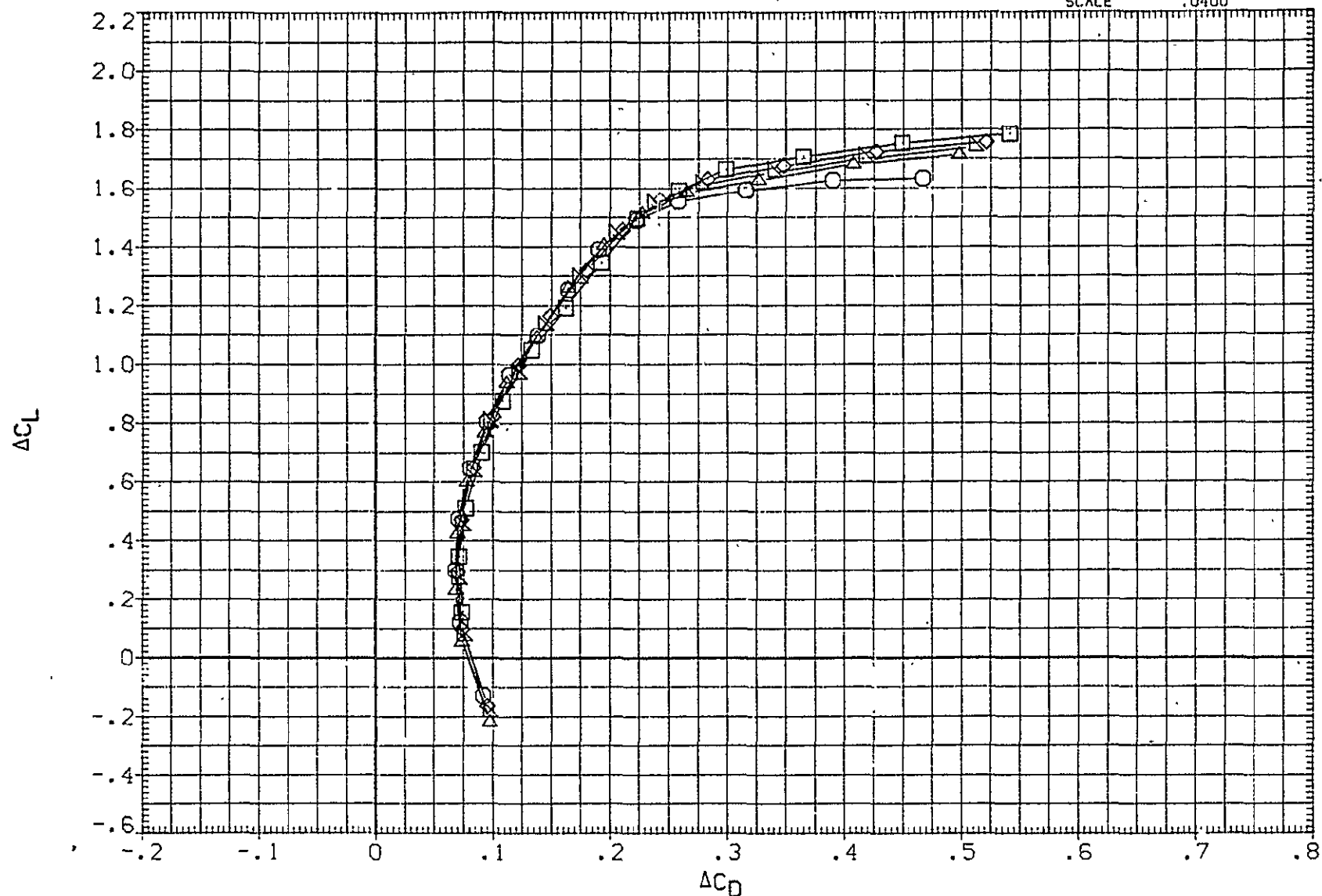


FIG 135 FERRY CONFIG. STABILIZER EFFECTIVENESS, FLAPS 10, IORB=3, TC ON, ELEV=0
CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), ALPHA SWEEPS

(A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BETA	REFERENCE INFORMATION		
(UJF097)	○	(CA-8) K2V9.1.2TS5 F20TS401			-11.700	.000	SREF	5500.0000	SQ.FT.
(UJF094)	□	(CA-8) K2V9.1.2TS5H15.6.1F20TS401	.000	-2.000	-11.700	.000	LREF	327.8000	IN.
(UJF095)	◇	(CA-8) K2V9.1.2TS5H15.6.1F20TS401	.000	-4.000	-11.700	.000	BREF	2348.0000	IN.
(UJF096)	△	(CA-8) K2V9.1.2TS5H15.6.1F20TS401	.000	-6.000	-11.700	.000	XMRP	1339.9100	IN.XC
							YMRP	.0000	IN.YC
							ZMRP	190.7500	IN.ZC
							SCALE	.0400	

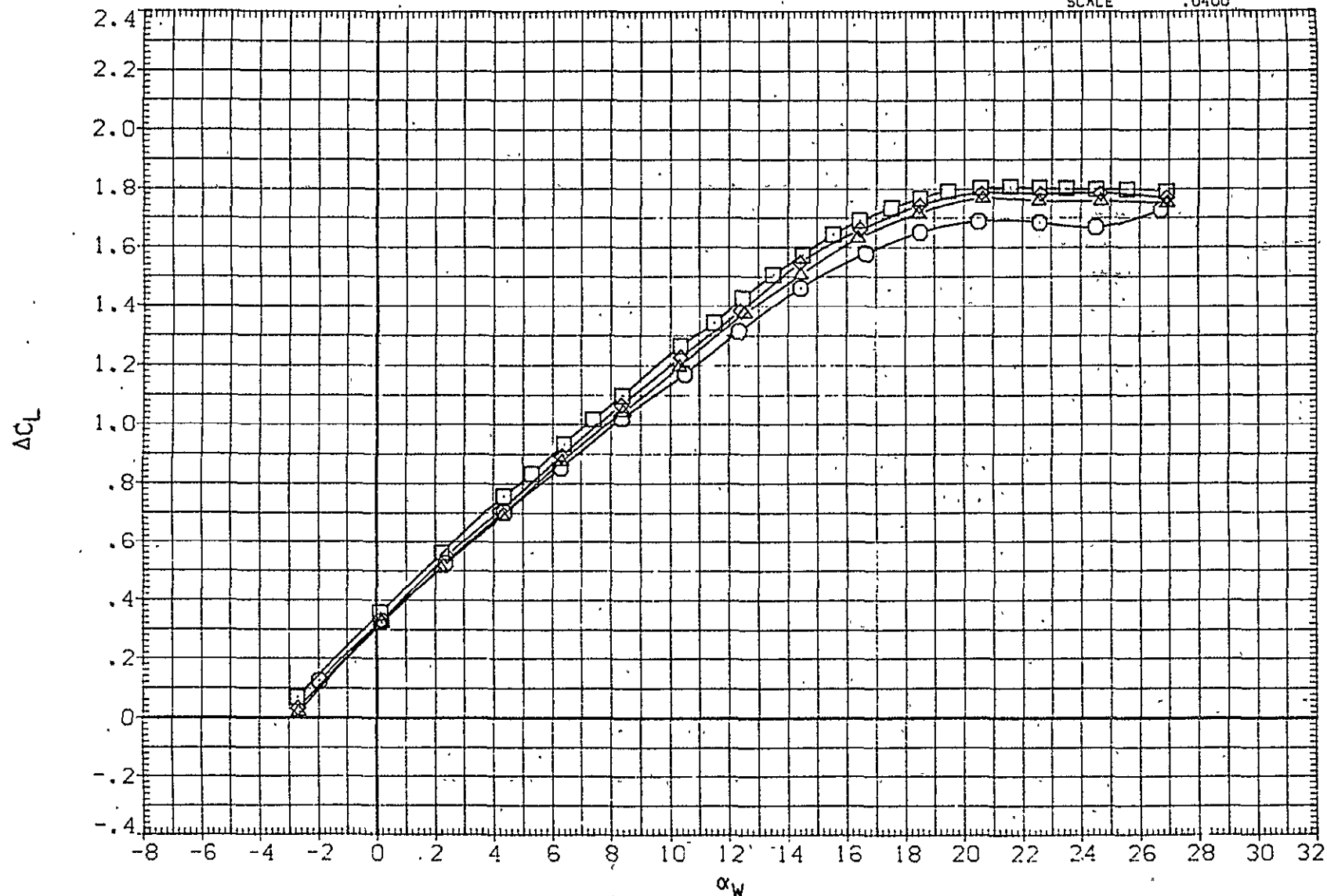


FIG 136 FERRY CONFIG. STABILIZER EFFECTIVENESS, FLAPS 20, IORB=3, TC ON, ELEV=0
CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), ALPHA SWEEPS

(A) MACH = .15

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DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BETA	REFERENCE INFORMATION	
(UJF097)	○	(CA-8) K2V9.1.2TS5 F20TS401			-11.700	.000	SREF	5500.0000 SQ.FT.
(UJF094)	□	(CA-8) K2V9.1.2TSSH15.6.1F20TS401	.000	-2.000	-11.700	.000	LREF	327.8000 IN.
(UJF095)	◇	(CA-8) K2V9.1.2TSSH15.6.1F20TS401	.000	-4.000	-11.700	.000	BREF	2348.0000 IN.
(UJF096)	△	(CA-8) K2V9.1.2TSSH15.6.1F20TS401	.000	-6.000	-11.700	.000	XMRP	1339.9100 IN.XC
							YMRP	.0000 IN.YC
							ZMRP	190.7500 IN.ZC
							SCALE	.0400

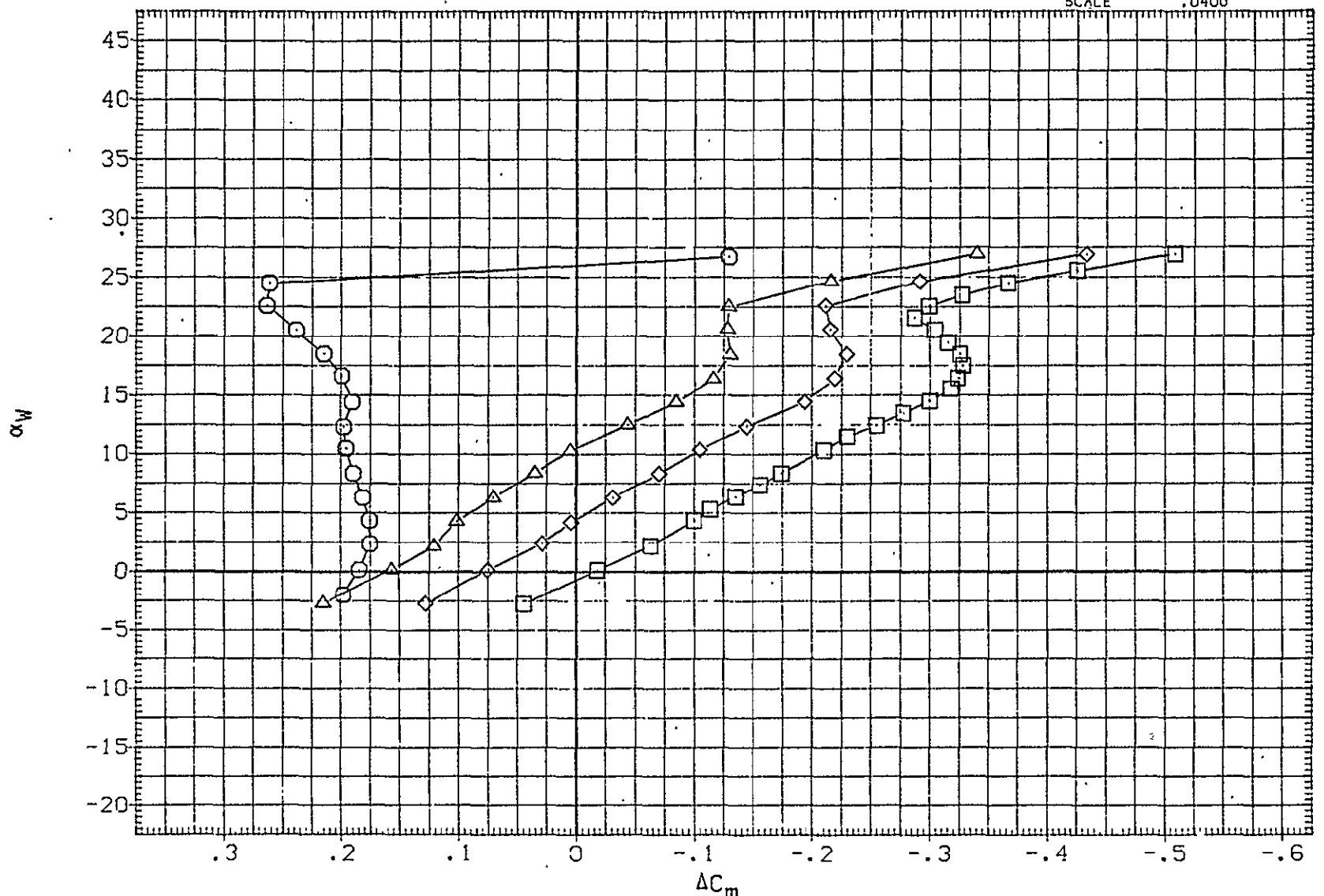


FIG 136 FERRY CONFIG. STABILIZER EFFECTIVENESS, FLAPS 20, IORB=3, TC ON, ELEV=0
CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), ALPHA SWEEPS

(A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BFTA	REFERENCE INFORMATION		
(UJF097)	○	(CA-8) K2V9.1.2TS5 F20TS401			-11.700	.000	SREF	5500.0000	SQ.FT.
(UJF094)	□	(CA-8) K2V9.1.2TS5H15.6.1F20TS401	.000	-2.000	-11.700	.000	LREF	327.8000	IN.
(UJF095)	△	(CA-8) K2V9.1.2TS5H15.6.1F20TS401	.000	-4.000	-11.700	.000	BREF	2348.0000	IN.
(UJF096)	◇	(CA-8) K2V9.1.2TS5H15.6.1F20TS401	.000	-6.000	-11.700	.000	XMRP	1339.9100	IN, XC
							YMRP	.0000	IN, YC
							ZMRP	190.7500	IN, ZC
							SCALE	.0400	

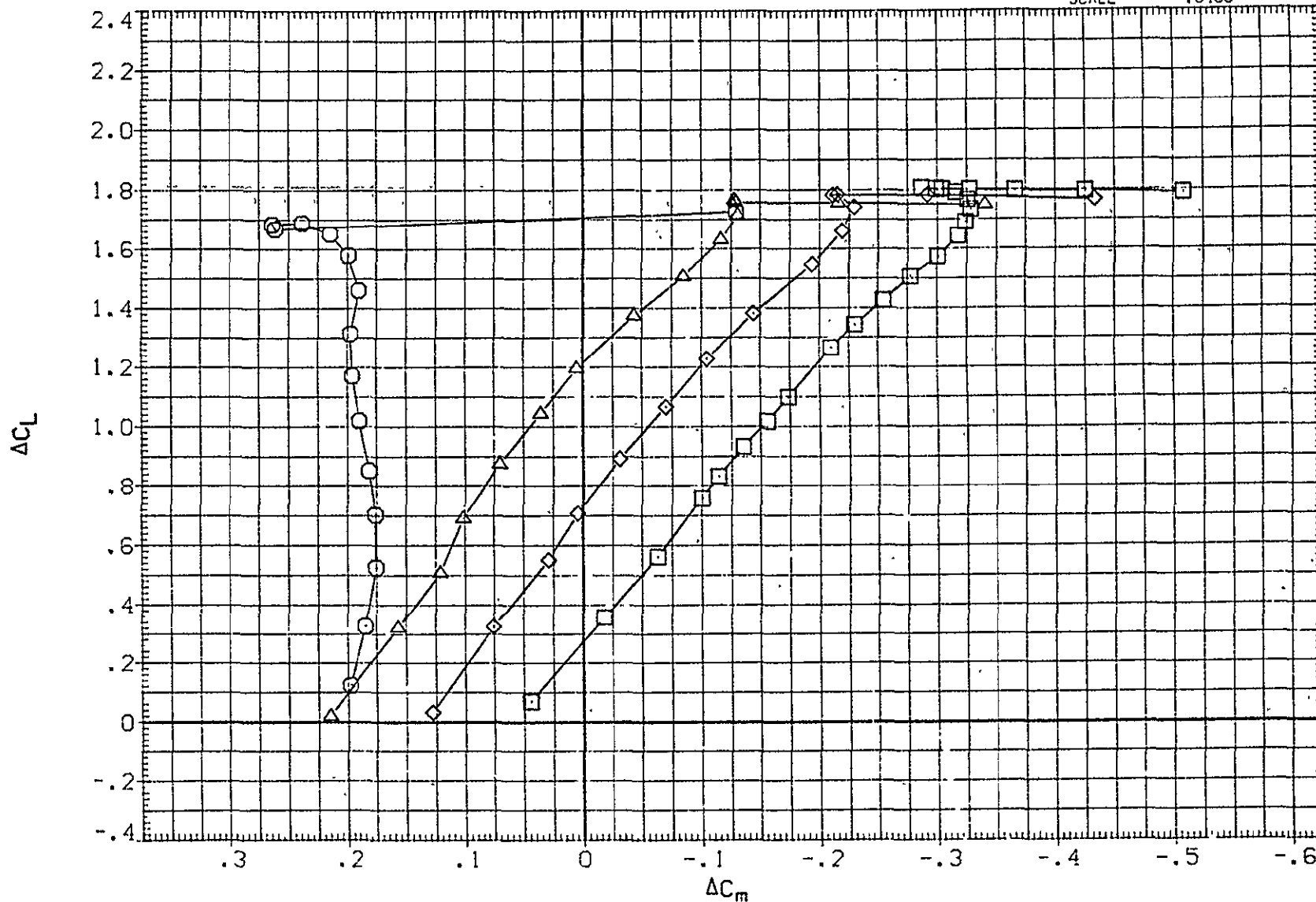


FIG 136 FERRY CONFIG. STABILIZER EFFECTIVENESS, FLAPS 20, 10RB=3, TC ON, ELEV=0
CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), ALPHA SWEEPS

(A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BETA	REFERENCE INFORMATION		
(UJF097)	○	(CA-8) K2V9.1.2TS5 F20TS401			-11.700	.000	SREF	5500.0000	SQ.FT.
(UJF094)	□	(CA-8) K2V9.1.2TS5H15.6.1F20TS401	.000	-2.000	-11.700	.000	LREF	327.8000	IN.
(UJF095)	◇	(CA-8) K2V9.1.2TS5H15.6.1F20TS401	.000	-4.000	-11.700	.000	BREF	2348.0000	IN.
(UJF096)	△	(CA-8) K2V9.1.2TS5H15.6.1F20TS401	.000	-6.000	-11.700	.000	XMRP	1339.9100	IN.XC
							YMRP	.0000	IN.YC
							ZMRP	190.7500	IN.ZC
							SCALE	.0400	

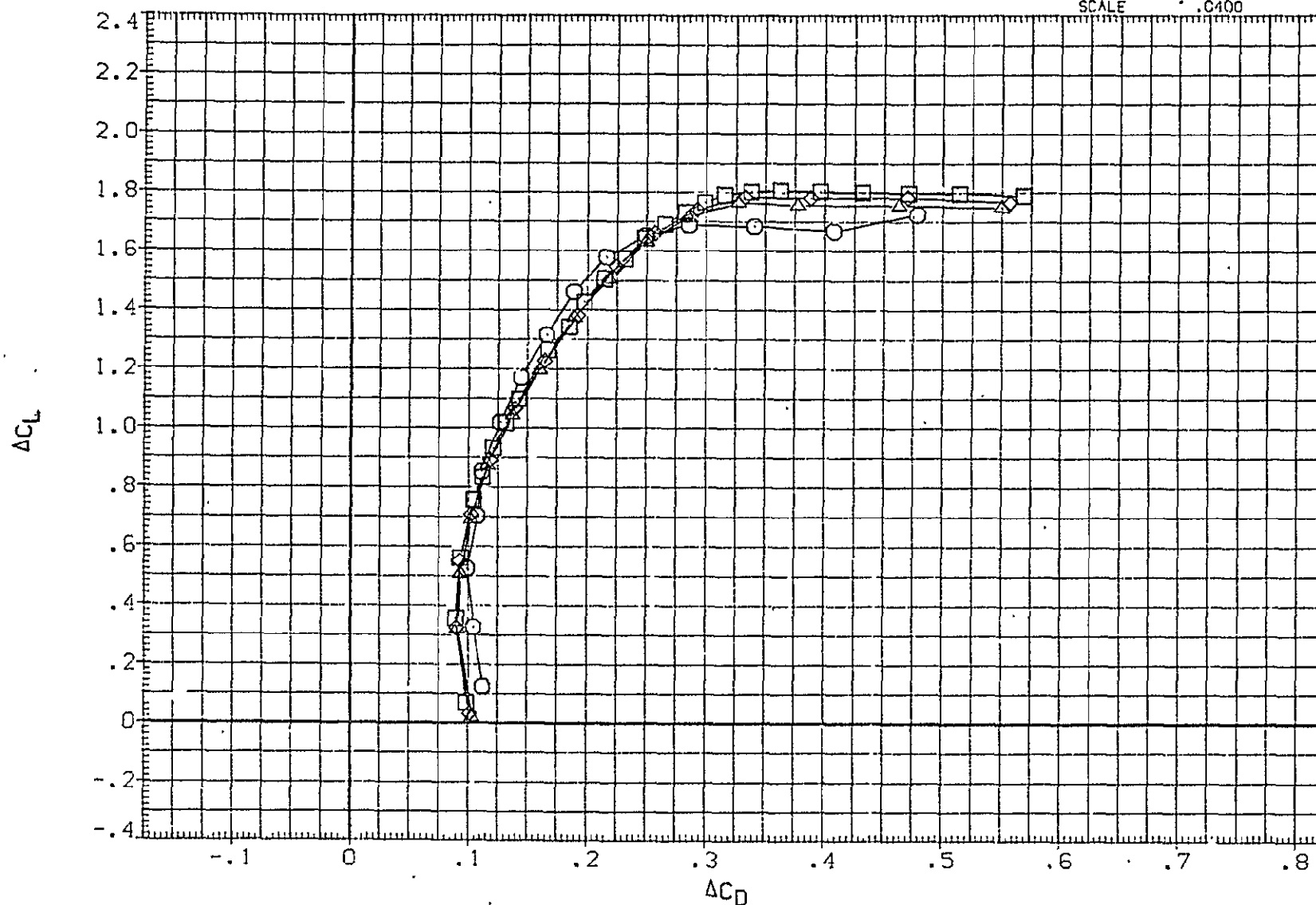


FIG 136 FERRY CONFIG. STABILIZER EFFECTIVENESS, FLAPS 20, IORB=3, TC ON, ELEV=0
 CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), ALPHA SWEEPS
 (A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BJFLAP	BETA	REFERENCE INFORMATION		
(UJF043)	○	(CA-8) K2V9.1.2TS5F30G5.3.5TS401			-11.700	.000	SREF	5500.0000	50.FT.
(UJF036)	□	(CA-8) K2V9.1.2TS5F30H15.6.1G5.3.5TS401	.000	-6.000	-11.700	.000	LREF	327.8000	IN.
(UJF037)	◇	(CA-8) K2V9.1.2TS5F30H15.6.1G5.3.5TS401	.000	-4.000	-11.700	.000	BREF	2348.0000	IN.
(UJF038)	△	(CA-8) K2V9.1.2TS3F30H15.6.1G5.3.5TS401	.000	-2.000	-11.700	.000	XMRF	1339.9100	IN. XC
(UJF039)	▽	(CA-8) K2V9.1.2TS5F30H15.6.1G5.3.5TS401	17.000	-4.000	-11.700	.000	YMRP	.0000	IN. YC
							ZMRP	190.7500	IN. ZC
							SCALE	.0400	

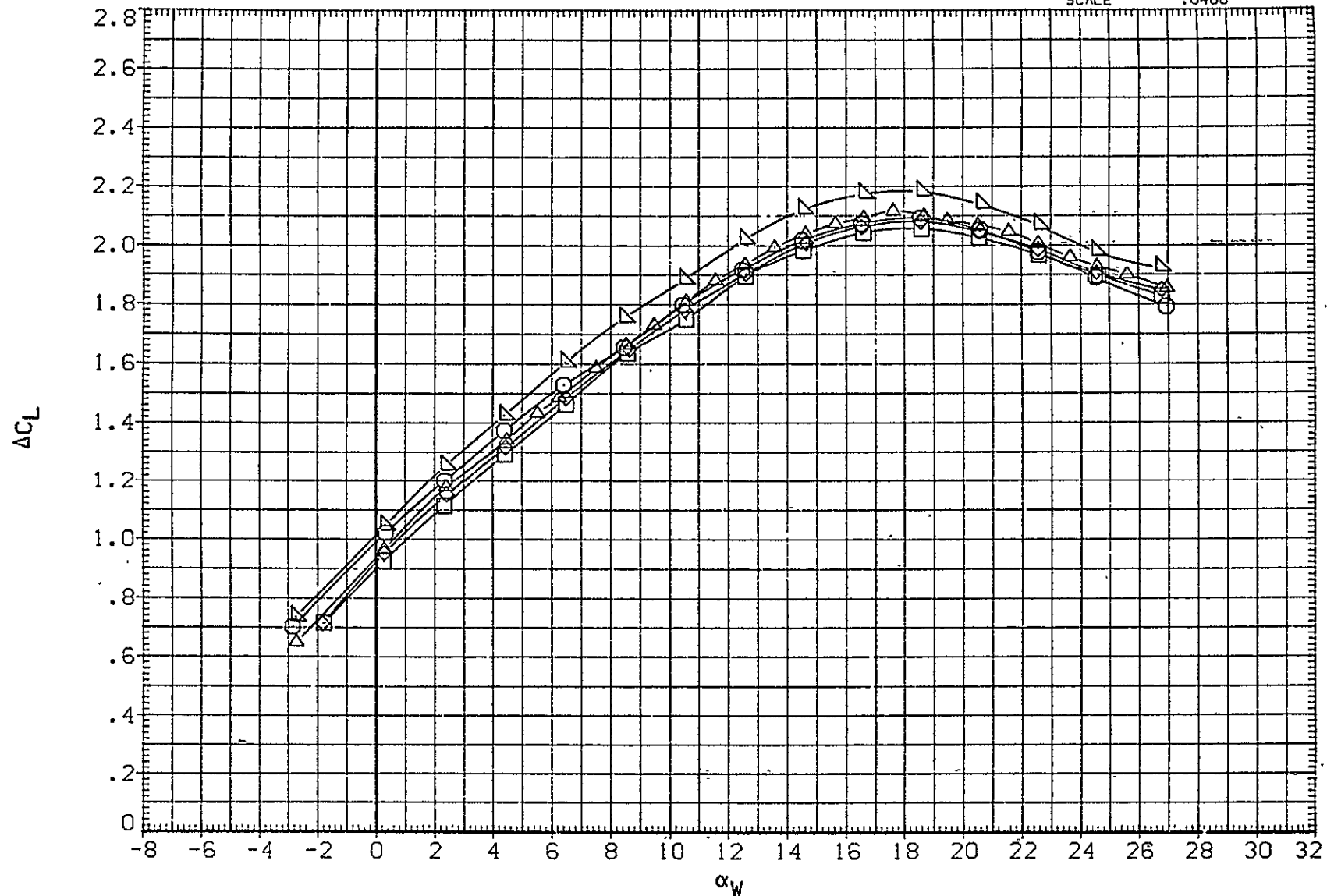


FIG 137 FERRY CONFIG. STABILIZER EFFECTIVENESS, FLAPS 30, IORB=3, TC ON, ELEV=0
CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), ALPHA SWEEPS

(A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BETA	REFERENCE INFORMATION		
(UJF043)	○	(CA-8) K2V9.1.2TS5F30G5.3.5TS401			-11.700	.000	SREF	5500.0000	SG.FT.
(UJF036)	□	(CA-8) K2V9.1.2TS5F30H15.6.1G5.3.5TS401	.000	-6.000	-11.700	.000	LREF	327.8000	IN.
(UJFU37)	◇	(CA-8) K2V9.1.2TS5F30H15.6.1G5.3.5TS401	.000	-4.000	-11.700	.000	BREF	2348.0000	IN.
(UJF038)	△	(CA-8) K2V9.1.2TS5F30H15.6.1G5.3.5TS401	.000	-2.000	-11.700	.000	XMRP	1339.9100	IN.XC
(UJF039)	▽	(CA-8) K2V9.1.2TS5F30H15.6.1G5.3.5TS401	17.000	-4.000	-11.700	.000	YMRP	.0000	IN.YC
							ZMRP	190.7500	IN.ZC
							SCALE	.0400	

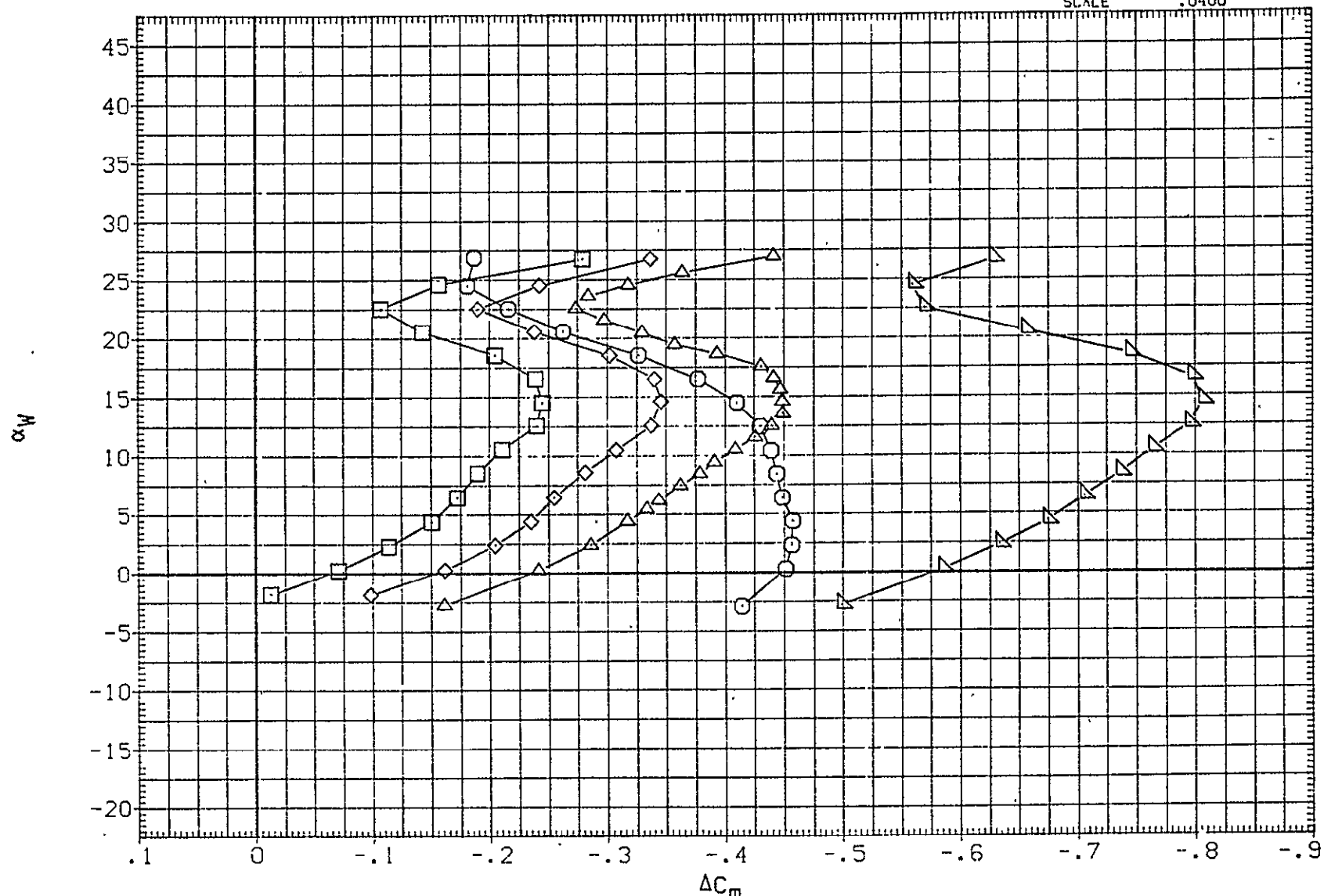


FIG 137 FERRY CONFIG. STABILIZER EFFECTIVENESS, FLAPS 30, 10RB=3, TC ON, ELEV=0
CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), ALPHA SWEEPS

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BETA	REFERENCE INFORMATION	
(UJF043)	○	(CA-8) K2V9.1.2TS5F30G5.3.5TS401			-11.700	.000	SREF	5500.0000 SQ.FT.
(UJF036)	□	(CA-8) K2V9.1.2TS5F30H15.6.165.3.5TS401	.000	-6.000	-11.700	.000	LREF	327.8000 IN.
(UJF037)	◇	(CA-8) K2V9.1.2TS5F30H15.6.165.3.5TS401	.000	-4.000	-11.700	.000	BREF	2348.0000 IN.
(UJF038)	△	(CA-8) K2V9.1.2TS5F30H15.6.165.3.5TS401	.000	-2.000	-11.700	.000	XMRP	1339.9100 IN.XC
(UJF039)	▽	(CA-8) K2V9.1.2TS5F30H15.6.165.3.5TS401	17.000	-4.000	-11.700	.000	YMRP	.0000 IN.YC
							ZMRP	190.7500 IN.ZC
							SCALE	.0400

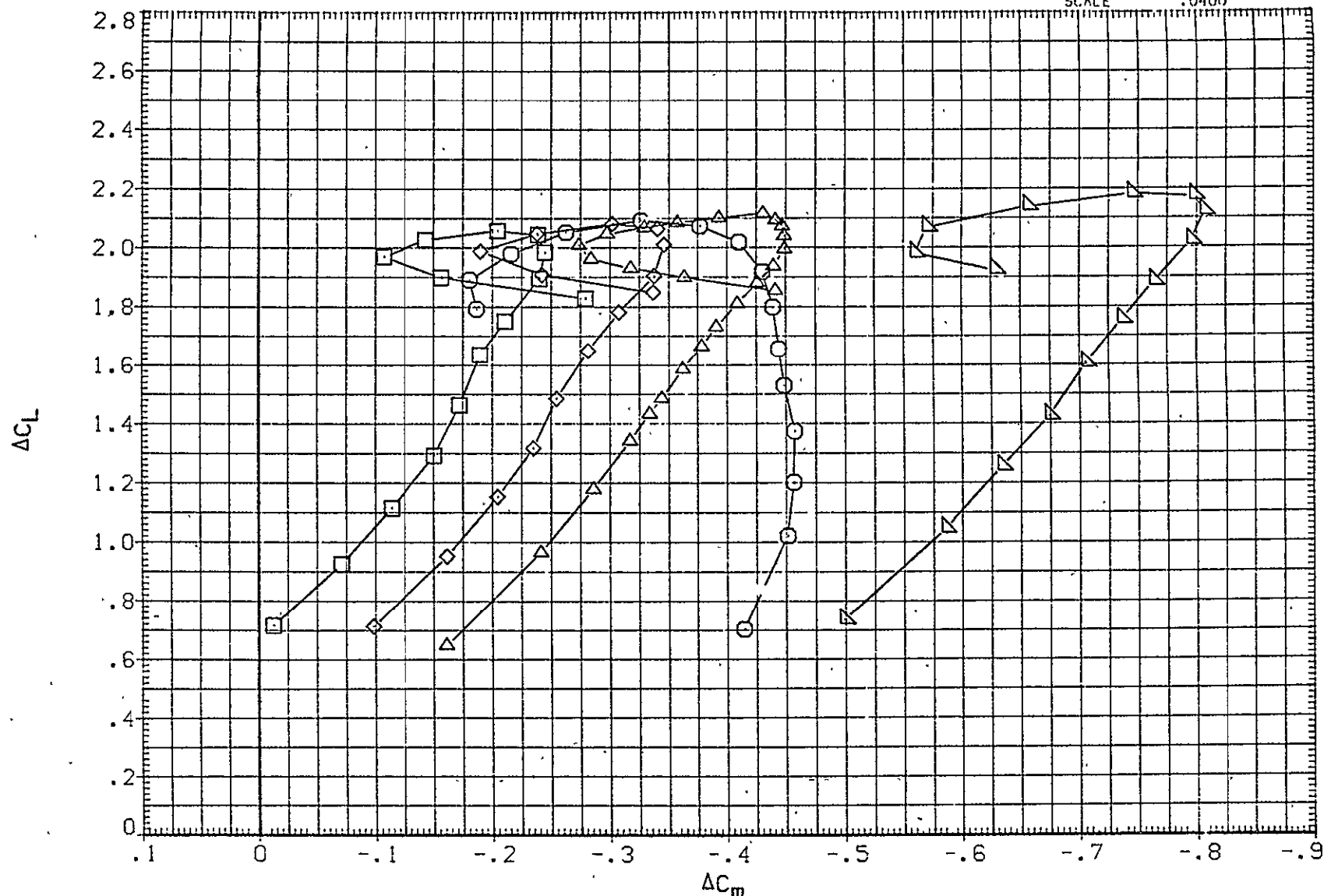


FIG 137 FERRY CONFIG. STABILIZER EFFECTIVENESS, FLAPS 30. IORB=3, TC ON, ELEV=0
CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), ALPHA SWEEPS

(A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BETA	REFERENCE INFORMATION		
(UJF043)	○	(CA-8) K2V9.1.2TS5F30G5.3.5TS401			-11.700	.000	SREF	5500.0000	SQ.FT.
(UJF036)	□	(CA-8) K2V9.1.2TS5F30H15.6.1G5.3.5TS401	.000	-6.000	-11.700	.000	LREF	327.8000	IN.
(UJF037)	×	(CA-8) K2V9.1.2TS5F30H15.6.1G5.3.5TS401	.000	-4.000	-11.700	.000	BREF	2348.0000	IN.
(UJF038)	△	(CA-8) K2V9.1.2TS5F30H15.6.1G5.3.5TS401	.000	-2.000	-11.700	.000	XMRP	1339.9100	IN.XC
(UJF039)	▽	(CA-8) K2V9.1.2TS5F30H15.6.1G5.3.5TS401	17.000	-4.000	-11.700	.000	YMRP	.0000	IN.YC
							ZMRP	190.7500	IN.ZC
							SCALE	.0400	

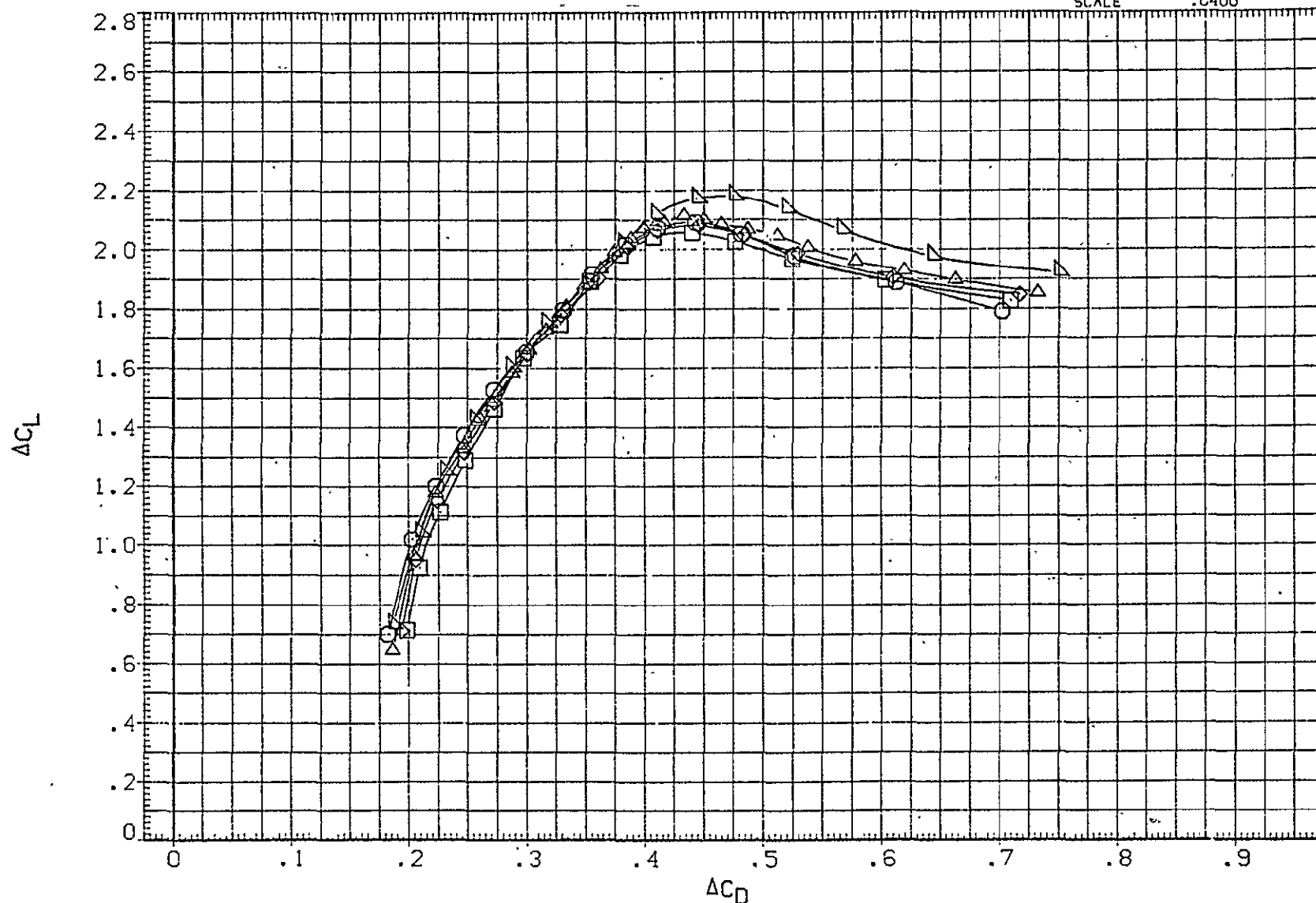


FIG 137 FERRY CONFIG. STABILIZER EFFECTIVENESS, FLAPS 30, IORB=3, TC ON, ELEV=0
CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), ALPHA SWEEPS

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BOFLAP	BETA	REFERENCE INFORMATION		
(UJF119)	○	(CA-8) K2V9.1.2TS5H15.6.1F10TS401	.000	-2.000	-11.700	.000	SREF	5500.0000	SQ.FT.
(UJF120)	□	(CA-8) K2V9.1.2TS5H15.6.1F10TS401	-23.000	-2.000	-11.700	.000	LREF	327.8000	IN.
(UJF121)	◇	(CA-8) K2V9.1.2TS6H15.6.1F10TS401	17.000	-2.000	-11.700	.000	BREF	2348.0000	IN.
							XMRP	1339.9100	IN.XC
							YMRP	.0000	IN.YC
							ZMRP	190.7500	IN.ZC
							SCALE	.0400	

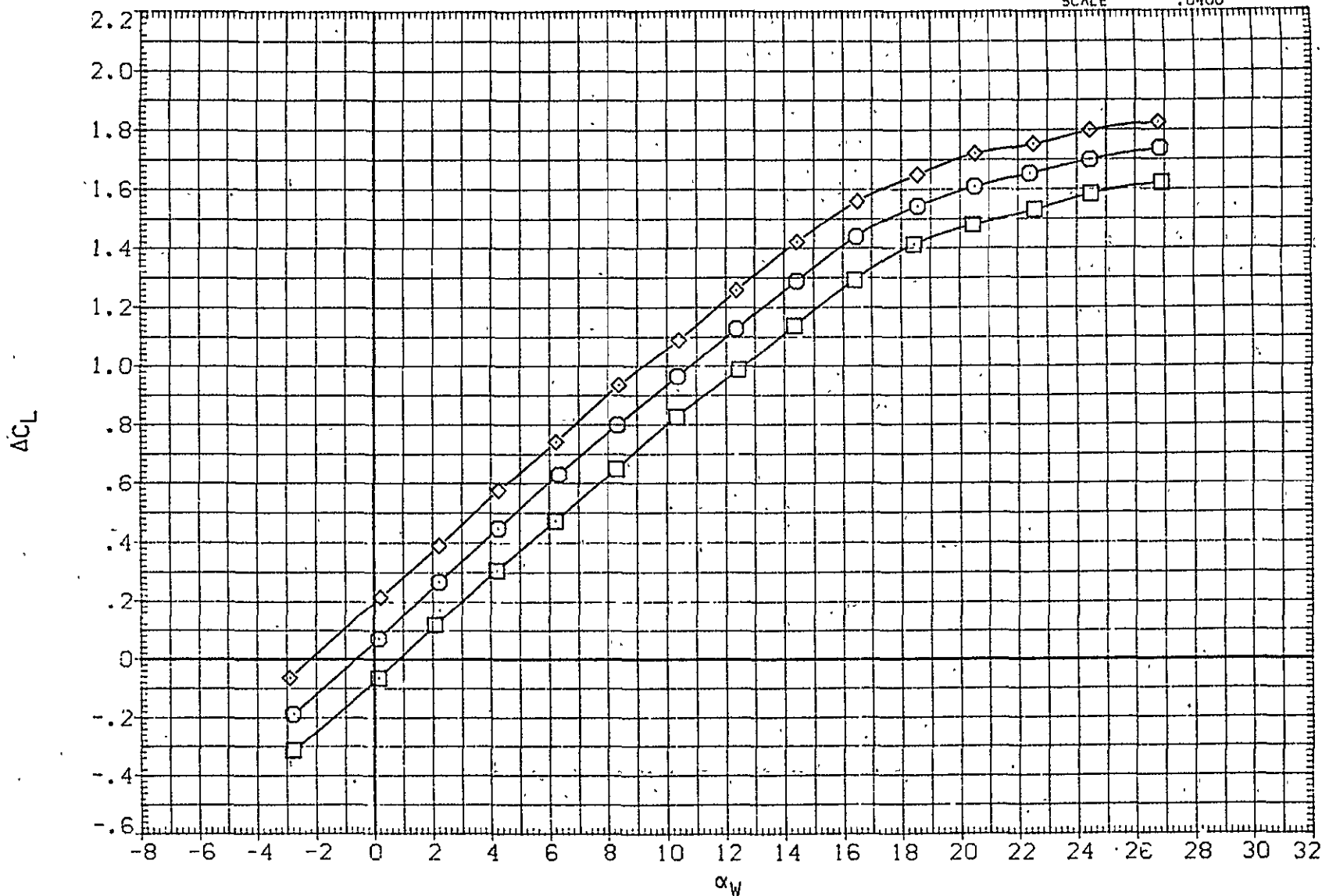


FIG 138 FERRY CONFIG. ELEVATOR EFFECTIVENESS, FLAPS 10, IORB=3, TC ON, ELEV=0
CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), ALPHA SWEEPS

(A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(UJF119)	○	(CA-8) K2V9.1.2TS5H15.6.1FIOTS401
(UJF120)	□	(CA-8) K2V9.1.2TS5H15.6.1FIOTS401
(UJF121)	◇	(CA-8) K2V9.1.2TS6H15.6.1FIOTS401

ELEVTR	STAB	BDFLAP	BFTA
.000	-2.000	-11.700	.000
-23.000	-2.000	-11.700	.000
17.000	-2.000	-11.700	.000

REFERENCE INFORMATION		
SREF	5500.0000	SG.FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMPP	1339.9100	IN. XC
YMPP	.0000	IN. YC
ZMPP	190.7500	IN. ZC
SCALE	.0400	

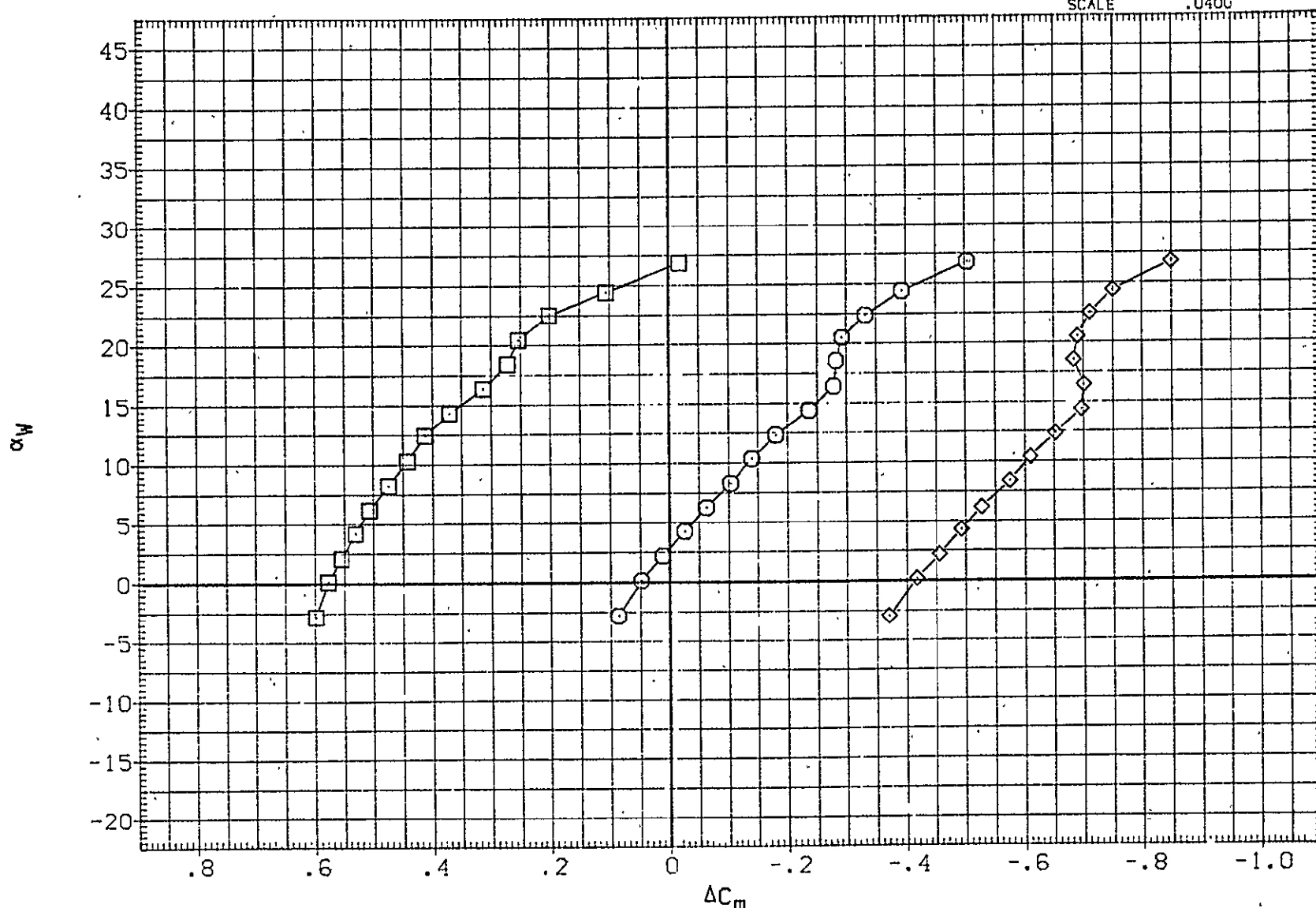


FIG 138 FERRY CONFIG. ELEVATOR EFFECTIVENESS. FLAPS 10, IORB=3, TC ON, ELEV=0
CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BETA	REFERENCE INFORMATION	
(UJF119)	□	(CA-8) K2V9.1.2TS5H15.6.1F10TS401	.000	-2.000	-11.700	.000	SREF	5500.0000 SQ.FT.
(UJF120)	○	(CA-8) K2V9.1.2TS5H15.6.1F10TS401	-23.000	-2.000	-11.700	.000	LREF	327.8000 IN.
(UJF121)	◇	(CA-8) K2V9.1.2TS6H15.6.1F10TS401	17.000	-2.000	-11.700	.000	BREF	2348.0000 IN.
							XMRP	1339.9100 IN.XC
							YMRP	.0000 IN.YC
							ZMRP	190.7500 IN.ZC
							SCALE	.0400

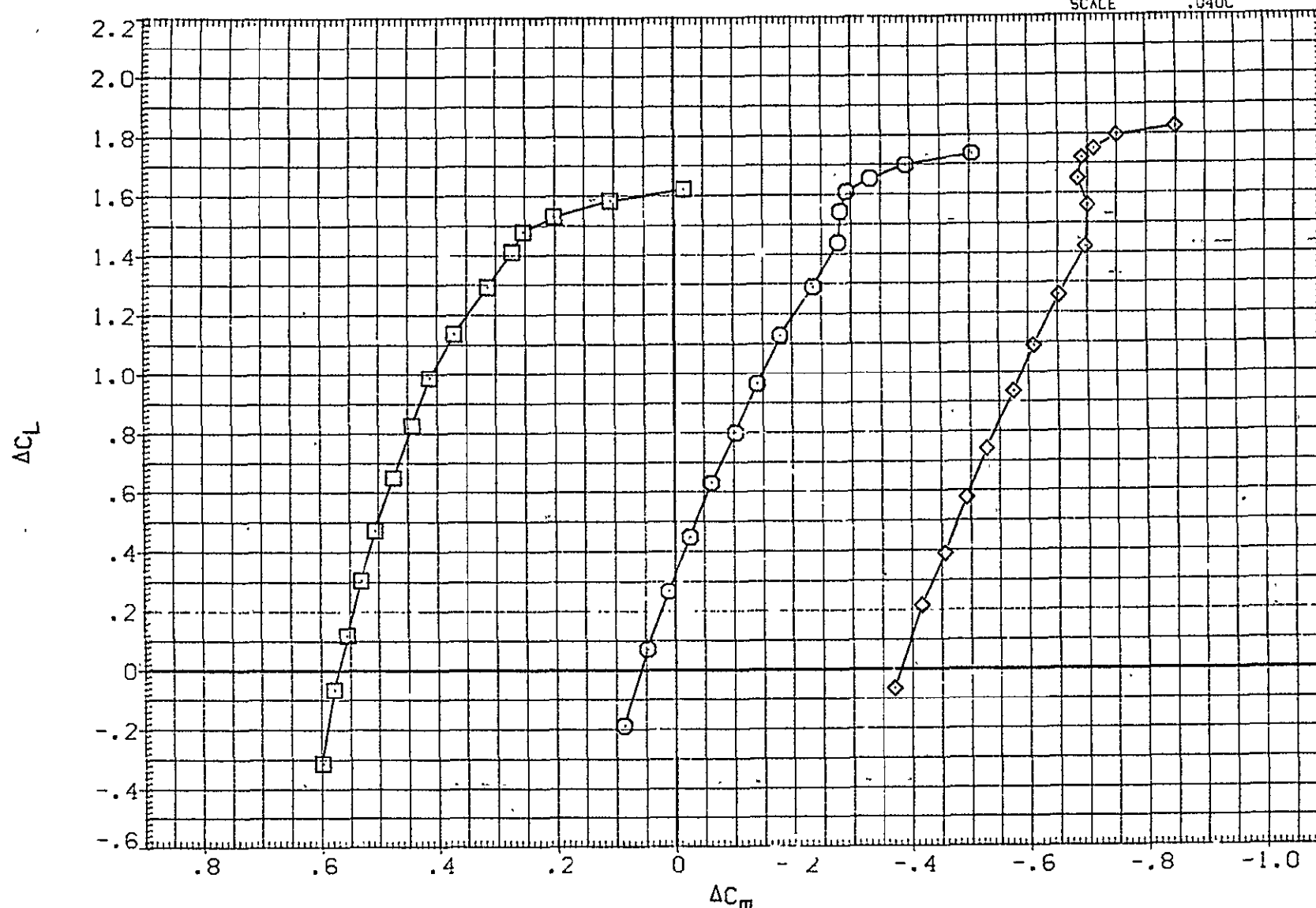


FIG 138 FERRY CONFIG. ELEVATOR EFFECTIVENESS, FLAPS 10, IORB=3, TC ON, ELEV=0
 CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), ALPHA SWEEPS
 (A) MACH = .15

REPRODUCIBILITY OF THE
 ORIGINAL PAGE IS POOR

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BFTA	REFERENCE INFORMATION	
(UJF119)	○	(CA-8) K2V9.1.2TS5H15.6.1F10TS401	.000	-2.000	-11.700	.000	SREF	5500.0000 SQ.FT.
(UJF120)	□	(CA-8) K2V9.1.2TS5H15.6.1F10TS401	-23.000	-2.000	-11.700	.000	LREF	327.8000 IN.
(UJF121)	◇	(CA-8) K2V9.1.2TS6H15.6.1F10TS401	17.000	-2.000	-11.700	.000	BREF	2348.0000 IN.
							XM RP	1339.9100 IN.XC
							YM RP	.0000 IN.YC
							ZM RP	190.7500 IN.ZC
							SCALE	.0400

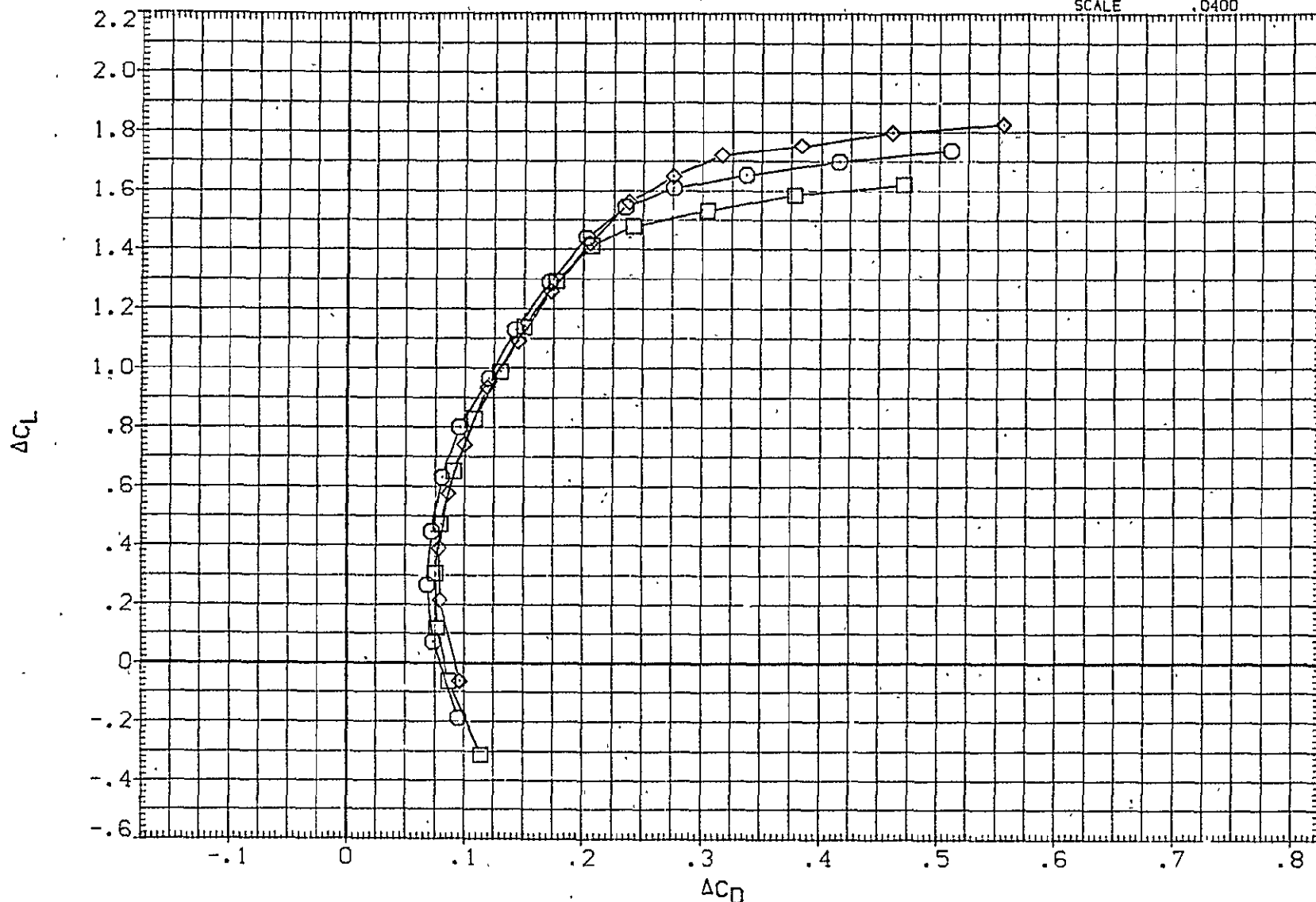


FIG 138 FERRY CONFIG. ELEVATOR EFFECTIVENESS, FLAPS 10. 10RB=3. TC ON, ELEV=0
 CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), ALPHA SWEEPS
 (A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BETA	REFERENCE INFORMATION		
(UJF095)	○	(CA-8) K2V9.1.2TS5H15.6.1F20TS401	.000	-4.000	-11.700	.000	SREF	5500.0000	SQ.FT.
(UJF198)	□	(CA-8) K2V9.1.2TS5H15.6.1F20TS401	-23.000	-4.000	-11.700	.000	LREF	327.8000	IN.
(UJF099)	◇	(CA-8) K2V9.1.2TS5H15.6.1F20TS401	17.000	-4.000	-11.700	.000	BREF	2348.0000	IN.
							XMRP	1339.9100	IN.XC
							YMRP	.0000	IN.YC
							ZMRP	190.7500	IN.ZC
							SCALE	.0400	

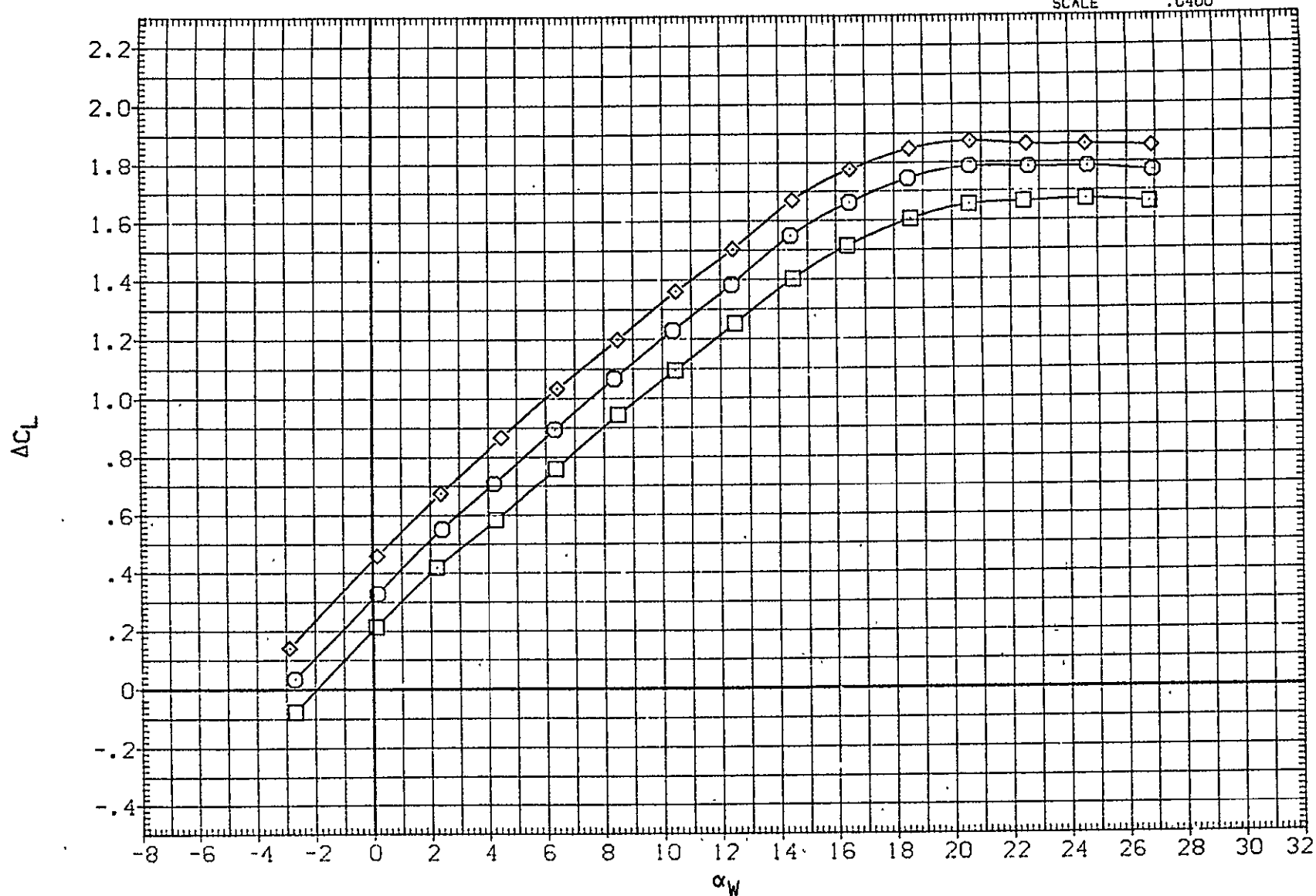


FIG 139 FERRY CONFIG. ELEVATOR EFFECTIVENESS, FLAPS 20, IORB=3, TC ON, ELEV=0
CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), ALPHA SWEEPS

(A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BETA	REFERENCE INFORMATION		
(UJF095)	□	(CA-8) K2V9.1.2TS5H15.6.1F20TS401	.000	-4.000	-11.700	.000	SREF	5500.0000	SQ.FT.
(UJF098)	□	(CA-8) K2V9.1.2TS5H15.6.1F20TS401	-23.000	-4.000	-11.700	.000	LREF	327.8000	IN.
(UJF099)	◇	(CA-8) K2V9.1.2TS5H15.6.1F20TS401	17.000	-4.000	-11.700	.000	BREF	2348.0000	IN.
							XMRP	1339.9100	IN.XC
							YMRP	.0000	IN.YC
							ZMRP	190.7500	IN.ZC
							SCALE	.0400	

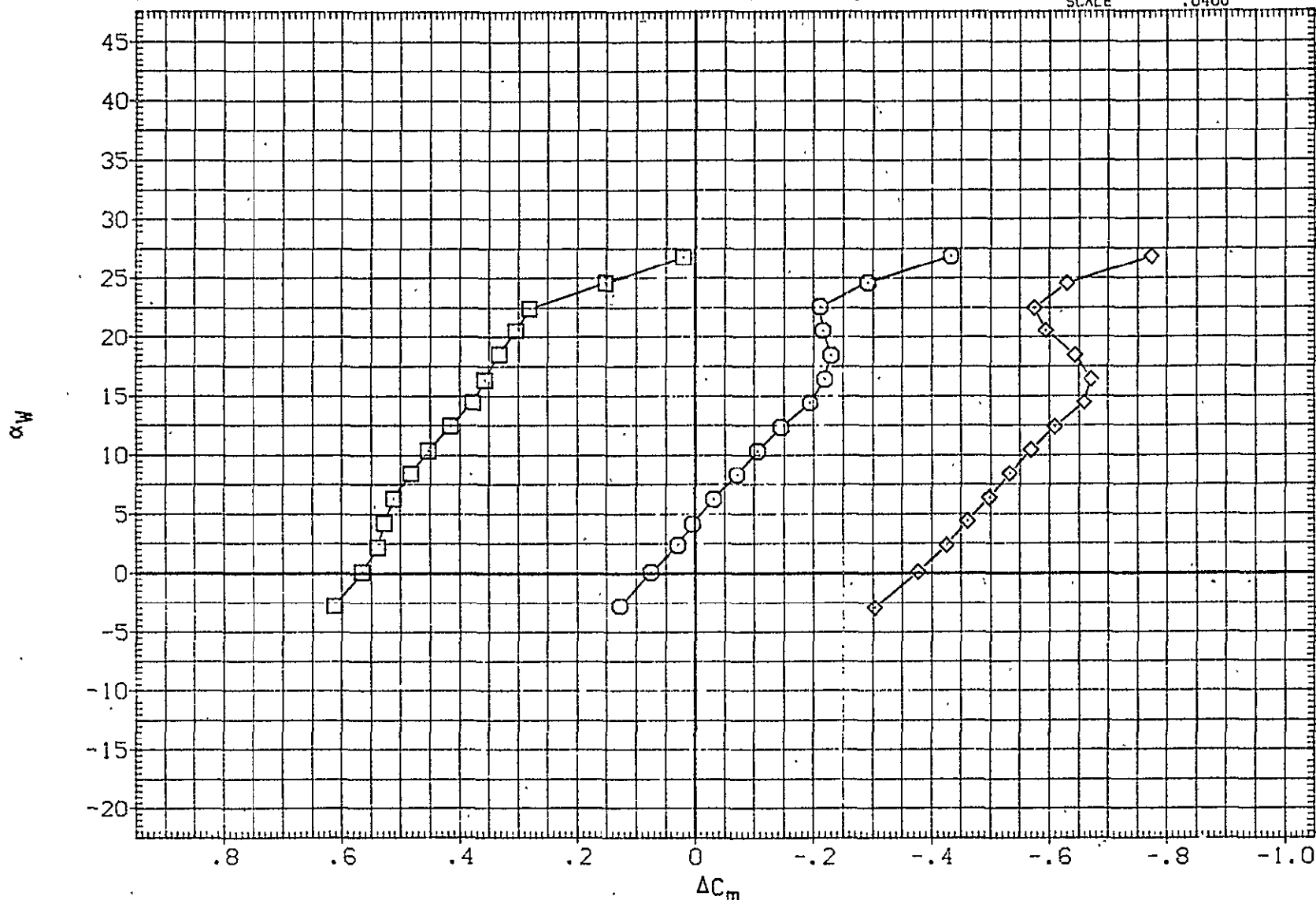


FIG 139 FERRY CONFIG. ELEVATOR EFFECTIVENESS, FLAPS 20, IORB=3, TC ON, ELEV=0
CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), ALPHA SWEEPS

(A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(UJF095)	○	(CA-8) K2V9.1.2TSSH15.6.1F20TS401
(UJF098)	□	(CA-8) K2V9.1.2TSSH15.6.1F20TS401
(UJF099)	◇	(CA-8) K2V9.1.2TSSH15.6.1F20TS401

ELEVTR	STAB	BDFLAP	BETA
.000	-4.000	-11.700	.000
-23.000	-4.000	-11.700	.000
17.000	-4.000	-11.700	.000

REFERENCE INFORMATION		
SREF	5500.0000	SQ.FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XM RP	1339.9100	IN. XC
YM RP	.0000	IN. YC
ZM RP	190.7500	IN. ZC
SCALE	.0400	

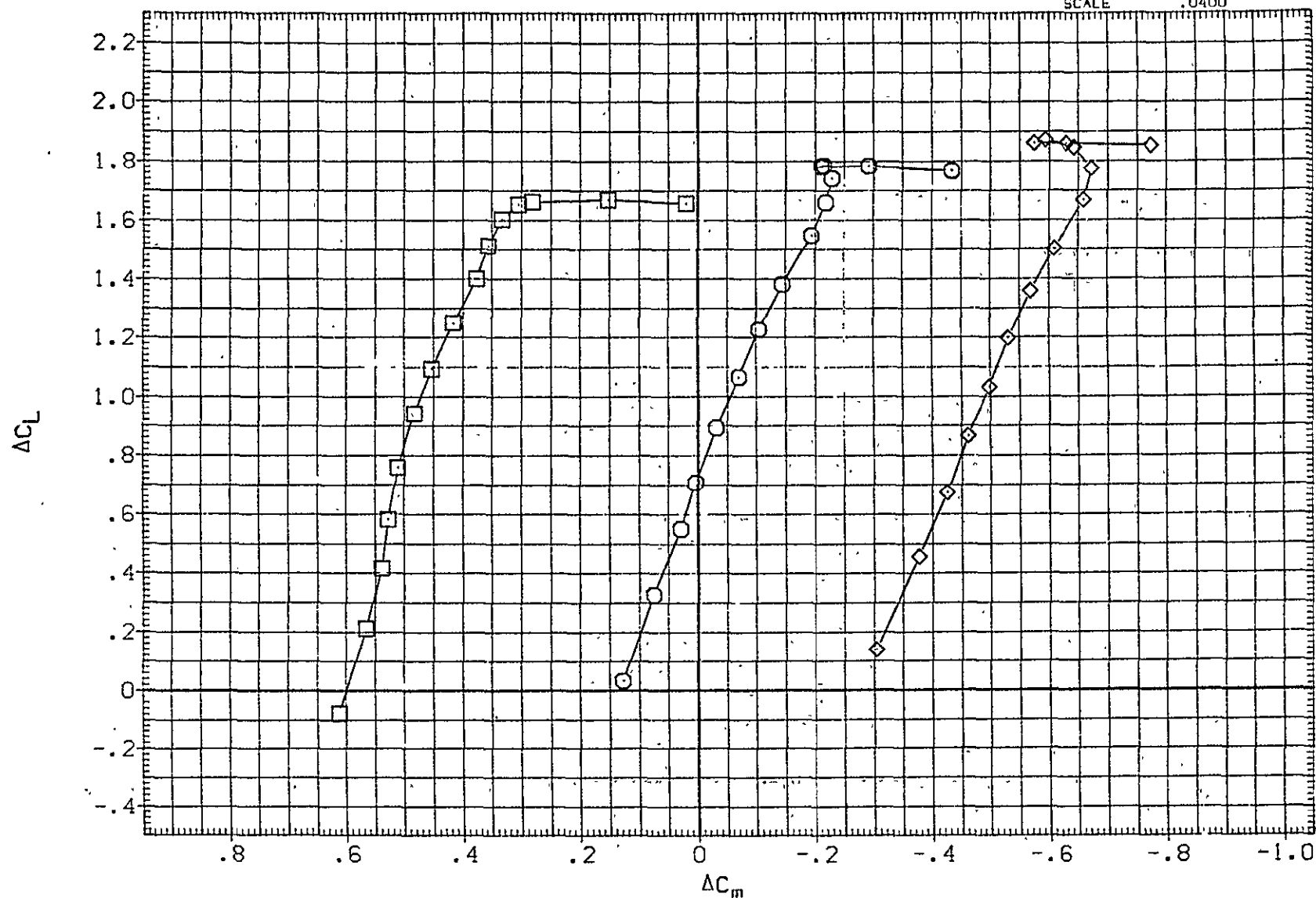


FIG 139 FERRY CONFIG. ELEVATOR EFFECTIVENESS. FLAPS 20. IORB=3. TC ON. ELEV=0
CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), ALPHA SWEEPS

(A) MACH = .15

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DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BETA	REFERENCE INFORMATION	
(UJF095)	○	(CA-8) K2V9.1.2TS5H15.6.1F20TS401	.000	-4.000	-11.700	.000	SREF	5500.0000 SQ.FT.
(UJF098)	□	(CA-8) K2V9.1.2TS5H15.6.1F20TS401	-23.000	-4.000	-11.700	.000	LREF	327.8000 IN.
(UJF099)	◇	(CA-8) K2V9.1.2TS5H15.6.1F20TS401	17.000	-4.000	-11.700	.000	BREF	2348.0000 IN.
							XMRP	1339.9100 IN.XC
							YMRP	.0000 IN.YC
							ZMRP	190.7500 IN.ZC
							SCALE	.0400

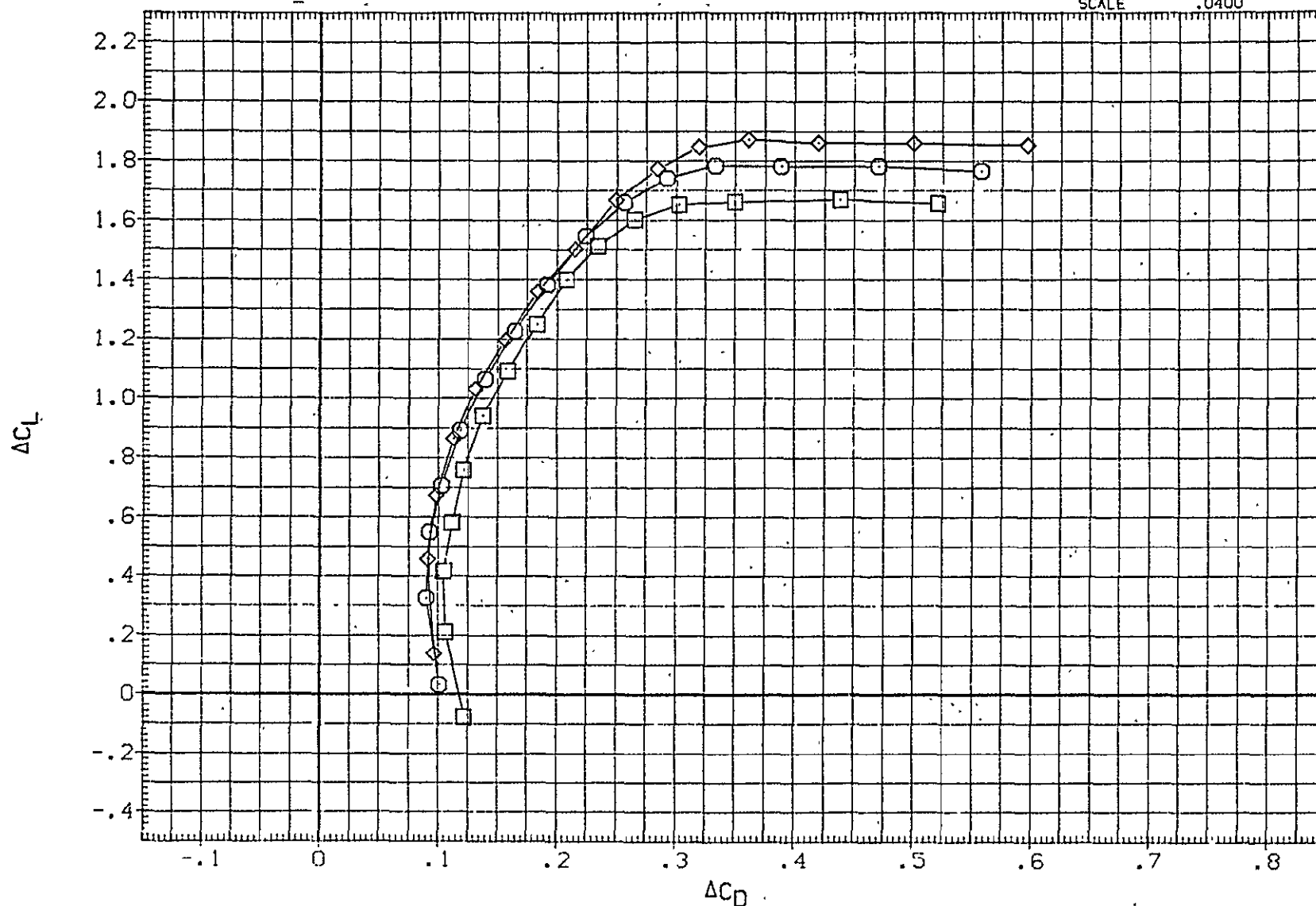


FIG 139 FERRY CONFIG. ELEVATOR EFFECTIVENESS. FLAPS 20. IORB=3. TC ON. ELEV=0
CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), ALPHA SWEEPS

(A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BETA	REFERENCE INFORMATION		
(UJF037)	○	(CA-8) K2V9.1.2TS5F30H15.6.1G5.3.5TS401	.000	-4.000	-11.700	.000	SREF	5500.0000	SQ.FT.
(UJF039)	◇	(CA-8) K2V9.1.2TS5F30H15.6.1G5.3.5TS401	17.000	-4.000	-11.700	.000	LREF	327.8000	IN.
(UJF040)	×	(CA-8) K2V9.1.2TS5F30H15.6.1G5.3.5TS401	10.000	-4.000	-11.700	.000	BREF	2348.0000	IN.
(UJF041)	△	(CA-8) K2V9.1.2TS5H15.6.1F30G5.3.5TS401	-10.000	-4.000	-11.700	.000	XMRP	1339.9100	IN.XC
(UJF042)	▽	(CA-8) K2V9.1.2TS5H15.6.1F30G5.3.5TS401	-23.000	-4.000	-11.700	.000	YMRP	.0000	IN.YC
							ZMRP	190.7500	IN.ZC
							SCALE	.0400	

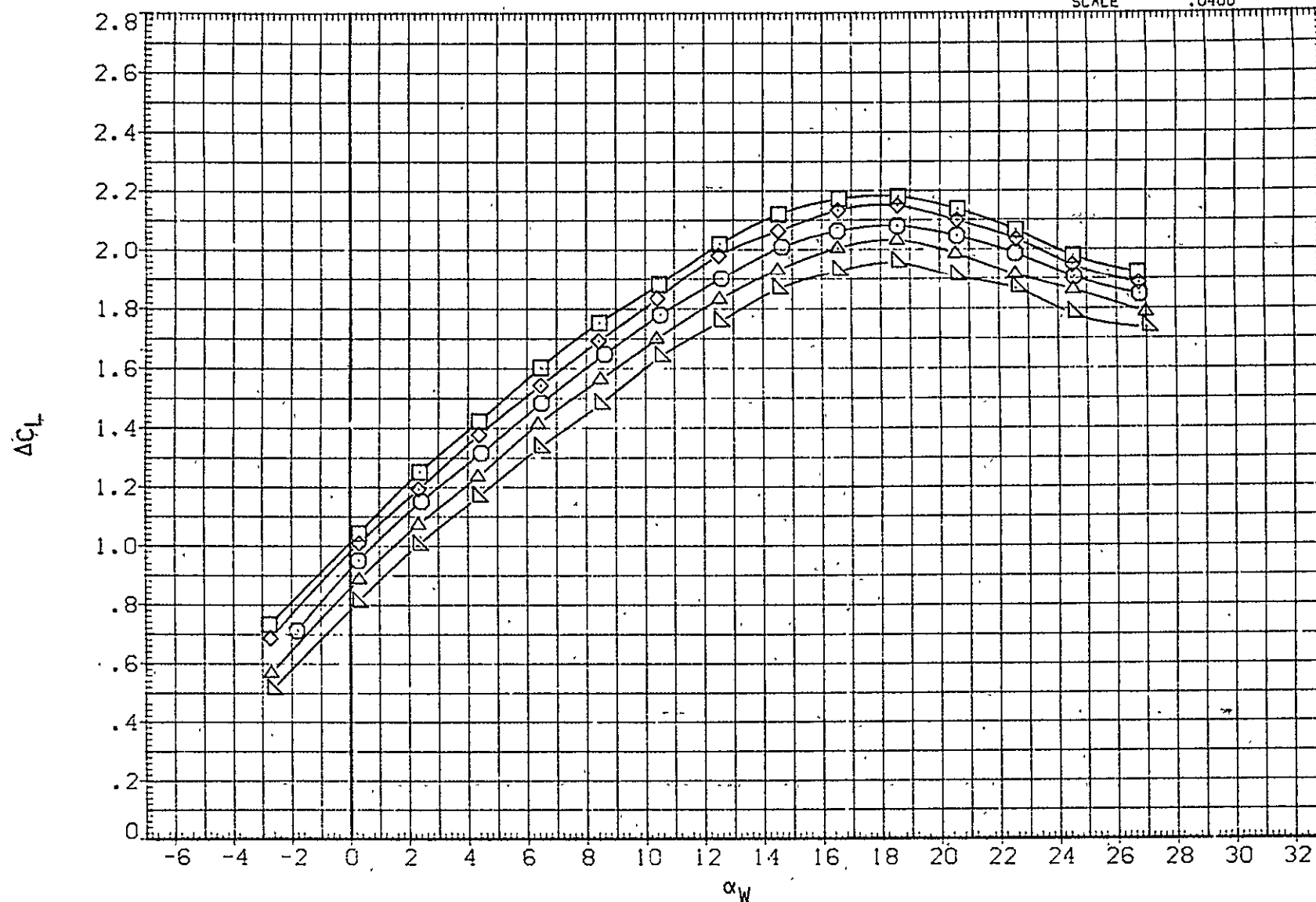


FIG 140 FERRY CONFIG. ELEVATOR EFFECTIVENESS, FLAPS 30, 10RB=3, TC ON, ELEV=0
CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), ALPHA SWEEPS

(A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BETA	REFERENCE INFORMATION		
(UJF037)	○	(CA-8) K2V9.1.2TS5F30H15.6.165.3.5TS401	.000	-4.000	-11.700	.000	SREF	5500.0000	SQ.FT.
(UJF039)	□	(CA-8) K2V9.1.2TS5F30H15.6.165.3.5TS401	17.000	-4.000	-11.700	.000	LREF	327.8000	IN.
(UJF040)	◇	(CA-8) K2V9.1.2TS5F30H15.6.165.3.5TS401	10.000	-4.000	-11.700	.000	BREF	2348.0000	IN.
(UJF041)	△	(CA-8) K2V9.1.2TS5H15.6.1F30G5.3.5TS401	-10.000	-4.000	-11.700	.000	XMRP	1339.9100	IN. XC
(UJF042)	▽	(CA-8) K2V9.1.2TS5H15.6.1F30G5.3.5TS401	-23.000	-4.000	-11.700	.000	YMRP	.0000	IN. YC
							ZMRP	190.7500	IN. ZC
							SCALE	.0400	

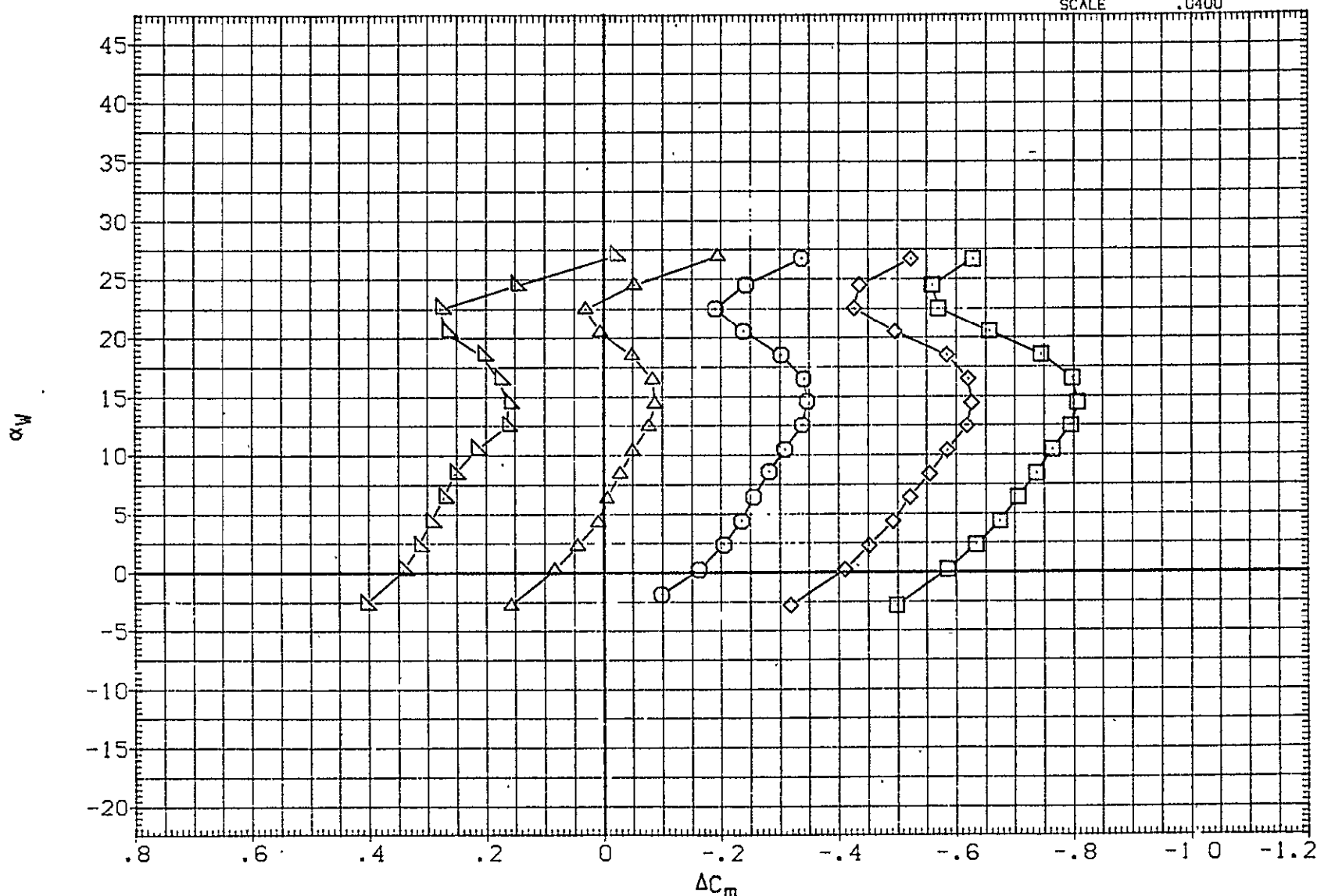


FIG 140 FERRY CONFIG. ELEVATOR EFFECTIVENESS. FLAPS 30. IORB=3. TC ON. ELEV=0
 CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), ALPHA SWEEPS
 (A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BFTA	REFERENCE INFORMATION		
(UJF037)	○	(CA-8) K2V9.1.2T55F30H15.6.165.3.5TS401	.000	-4.000	-11.700	.000	SREF	5500.0000	SQ.FT.
(UJF039)	◇	(CA-8) K2V9.1.2T55F30H15.6.165.3.5TS401	17.000	-4.000	-11.700	.000	LREF	327.8000	IN.
(UJF040)	□	(CA-8) K2V9.1.2T55F30H15.6.165.3.5TS401	10.000	-4.000	-11.700	.000	BREF	2348.0000	IN.
(UJF041)	△	(CA-8) K2V9.1.2T55H15.6.1F30G5.3.5TS401	-10.000	-4.000	-11.700	.000	XMRP	1339.9100	IN.XC
(UJF042)	▽	(CA-8) K2V9.1.2T55H15.6.1F30G5.3.5TS401	-23.000	-4.000	-11.700	.000	YMRP	.0000	IN.YC
							ZMRP	190.7500	IN.ZC
							SCALE	.0400	

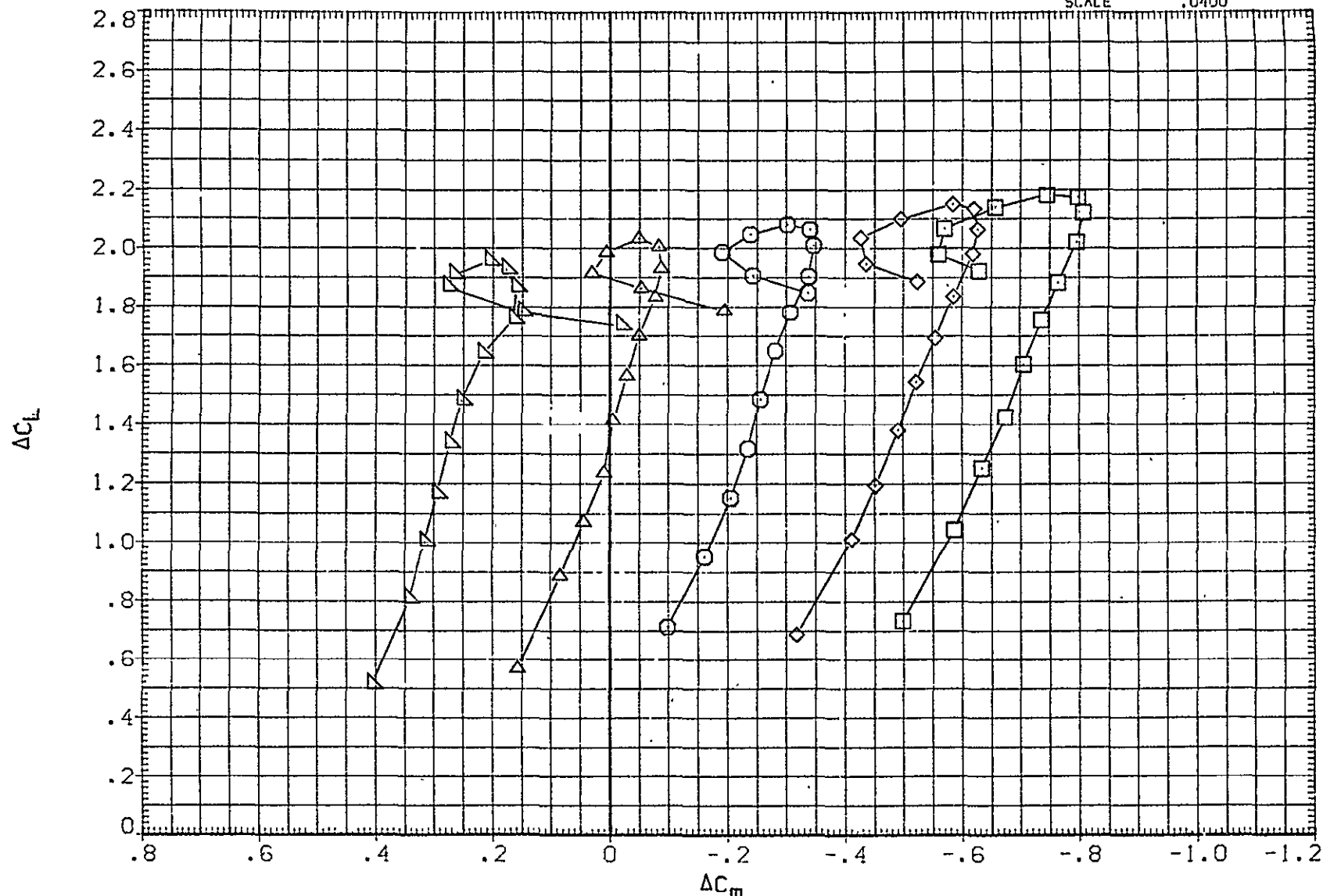


FIG 140 FERRY CONFIG. ELEVATOR EFFECTIVENESS. FLAPS 30. IORB=3, TC ON, ELEV=0
CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), ALPHA SWEEPS

(A) MACH = .15

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REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BETA	REFERENCE INFORMATION		
(UJF037)	○	(CA-8) K2V9.1.2TSSF30H15.6.165.3.STS401	.000	-4.000	-11.700	.000	SREF	5500.0000	50.FT.
(UJF039)	□	(CA-8) K2V9.1.2TSSF30H15.6.165.3.STS401	17.000	-4.000	-11.700	.000	LREF	327.8000	IN.
(UJF040)	◇	(CA-8) K2V9.1.2TSSF30H15.6.165.3.STS401	10.000	-4.000	-11.700	.000	BREF	2348.0000	IN.
(UJF041)	△	(CA-8) K2V9.1.2TSSH15.6.1F30G5.3.STS401	-10.000	-4.000	-11.700	.000	XMRP	1339.9100	IN.XC
(UJF042)	▽	(CA-8) K2V9.1.2TSSH15.6.1F30G5.3.STS401	-23.000	-4.000	-11.700	.000	YNRP	.0000	IN.YC
							ZMRP	190.7500	IN.ZC
							SCALE	.0400	

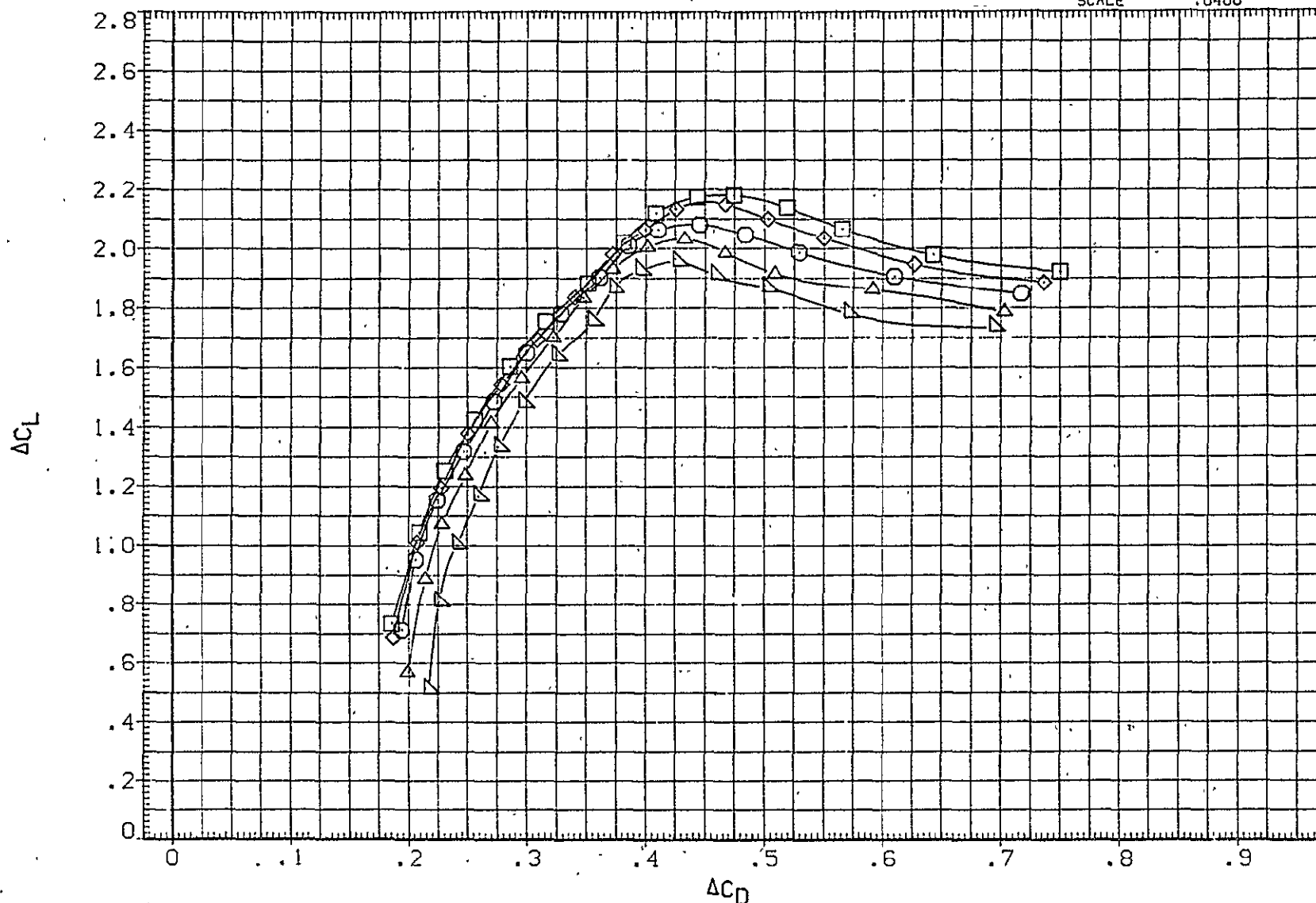


FIG 140 FERRY CONFIG. ELEVATOR EFFECTIVENESS, FLAPS 30, IORB=3, TC ON, ELEV=0
CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), ALPHA SWEEPS

(A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BETA	REFERENCE INFORMATION		
(UJF129)	○	(CA-8) K3V9.1.2TS6 FOTS401			-11.700	.000	SREF	5500.0000	SG.FT.
(UJF126)	□	(CA-8) K3V9.1.2TS6H15.6.1FOTS401	.000	-4.000	-11.700	.000	LREF	327.8000	IN.
(UJF127)	◇	(CA-8) K3V9.1.2TS6H15.6.1FOTS401	.000	-2.000	-11.700	.000	BREF	2348.0000	IN.
(UJF128)	△	(CA-8) K3V9.1.2TS6H15.6.1FOTS401	.000	.000	-11.700	.000	XMRP	1339.9100	IN.XC
							YMRP	.0000	IN.YC
							ZMRP	190.7500	IN.ZC
							SCALE	.0400	

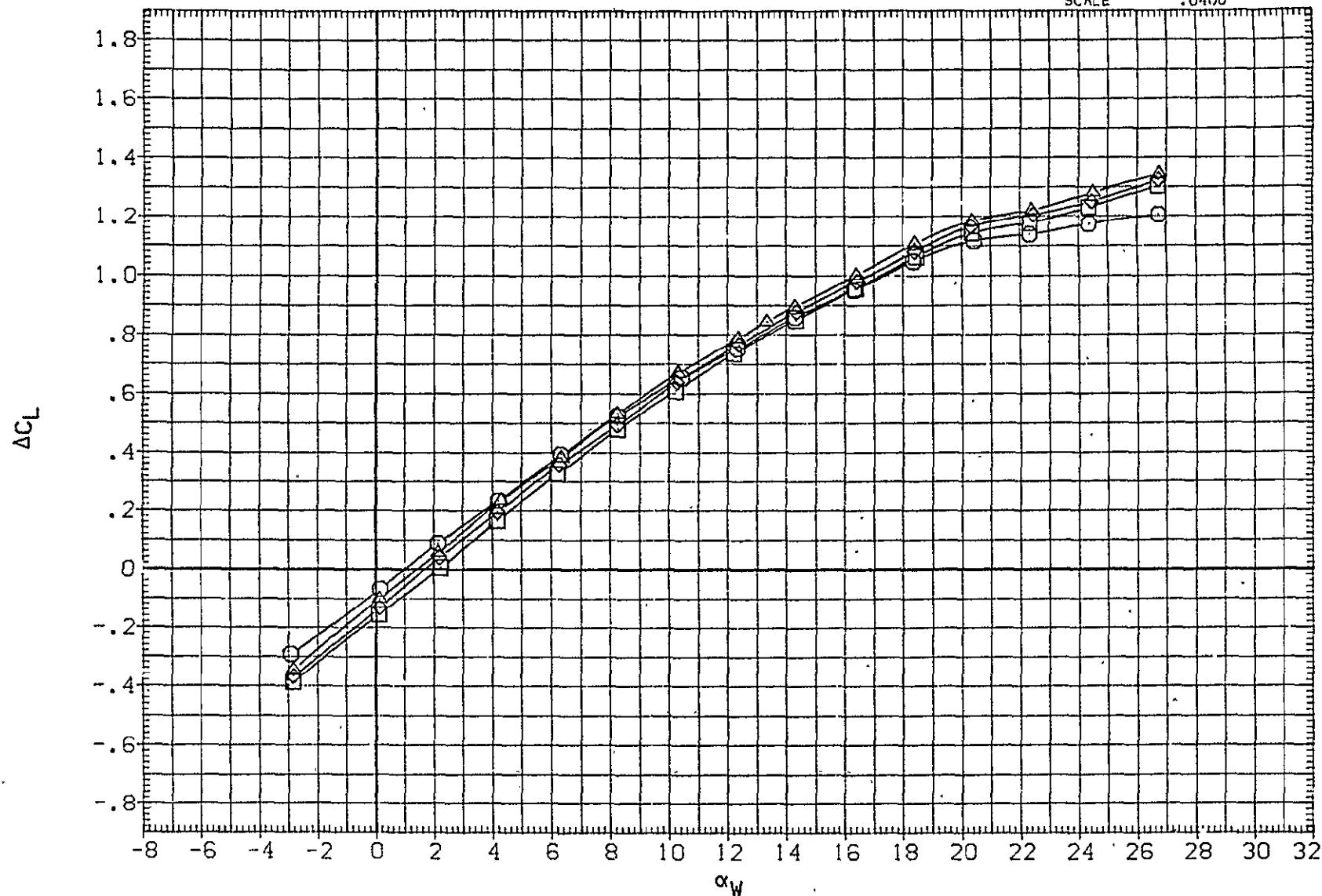


FIG 141 ALT CONFIG. STABILIZER EFFECTIVENESS, FLAPS UP, IORB=6, TC ON, ELEV=0
 CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), ALPHA SWEEPS
 (A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(UJF129)	○	(CA-8) K3V9.1.2TS6 FOTS401
(UJF126)	□	(CA-8) K3V9.1.2TS6H15.6.1FOTS401
(UJF127)	◇	(CA-8) K3V9.1.2TS6H15.6.1FOTS401
(UJF128)	△	(CA-8) K3V9.1.2TS6H15.6.1FOTS401

ELEVTR	STAB	BDFLAP	BFTA
.000	-4.000	-11.700	.000
.000	-2.000	-11.700	.000
.000	.000	-11.700	.000

REFERENCE INFORMATION		
SREF	5500.0000	.SG.FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMRP	1339.9100	IN.XC.
YMRP	.0000	IN.YC.
ZMRP	190.7500	IN.ZC.
SCALE	.0400	

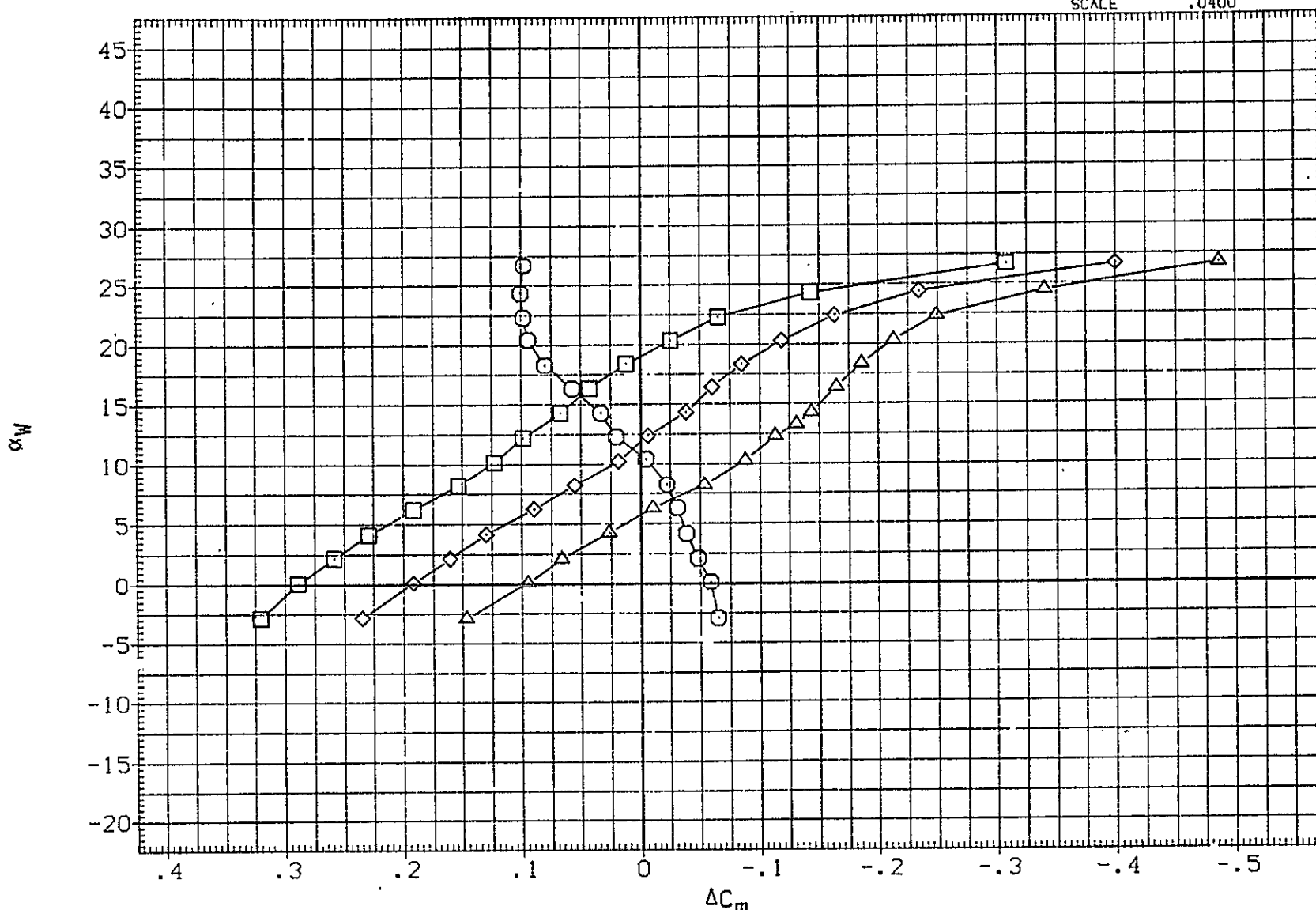


FIG 141 ALT CONFIG. STABILIZER EFFECTIVENESS, FLAPS UP, IORB=6, TC ON, ELEV=0
CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), ALPHA SWEEPS

(A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BETA	REFERENCE INFORMATION		
(UJF129)	○	(CA-8) K3V9.1.2TS6 FOTS401			-11.700	.000	SREF	5500.0000	SQ.FT.
(UJF126)	□	(CA-8) K3V9.1.2TS6H15.6.1FOTS401	.000	-4.000	-11.700	.000	LREF	327.8000	IN.
(UJF127)	◇	(CA-8) K3V9.1.2TS6H15.6.1FOTS401	.000	-2.000	-11.700	.000	BREF	2348.0000	IN.
(UJF128)	△	(CA-8) K3V9.1.2TS6H15.6.1FOTS401	.000	.000	-11.700	.000	XMRP	1339.9100	IN.XC
							YMRP	.0000	IN.YC
							ZMRP	190.7500	IN.ZC
							SCALE	.0400	

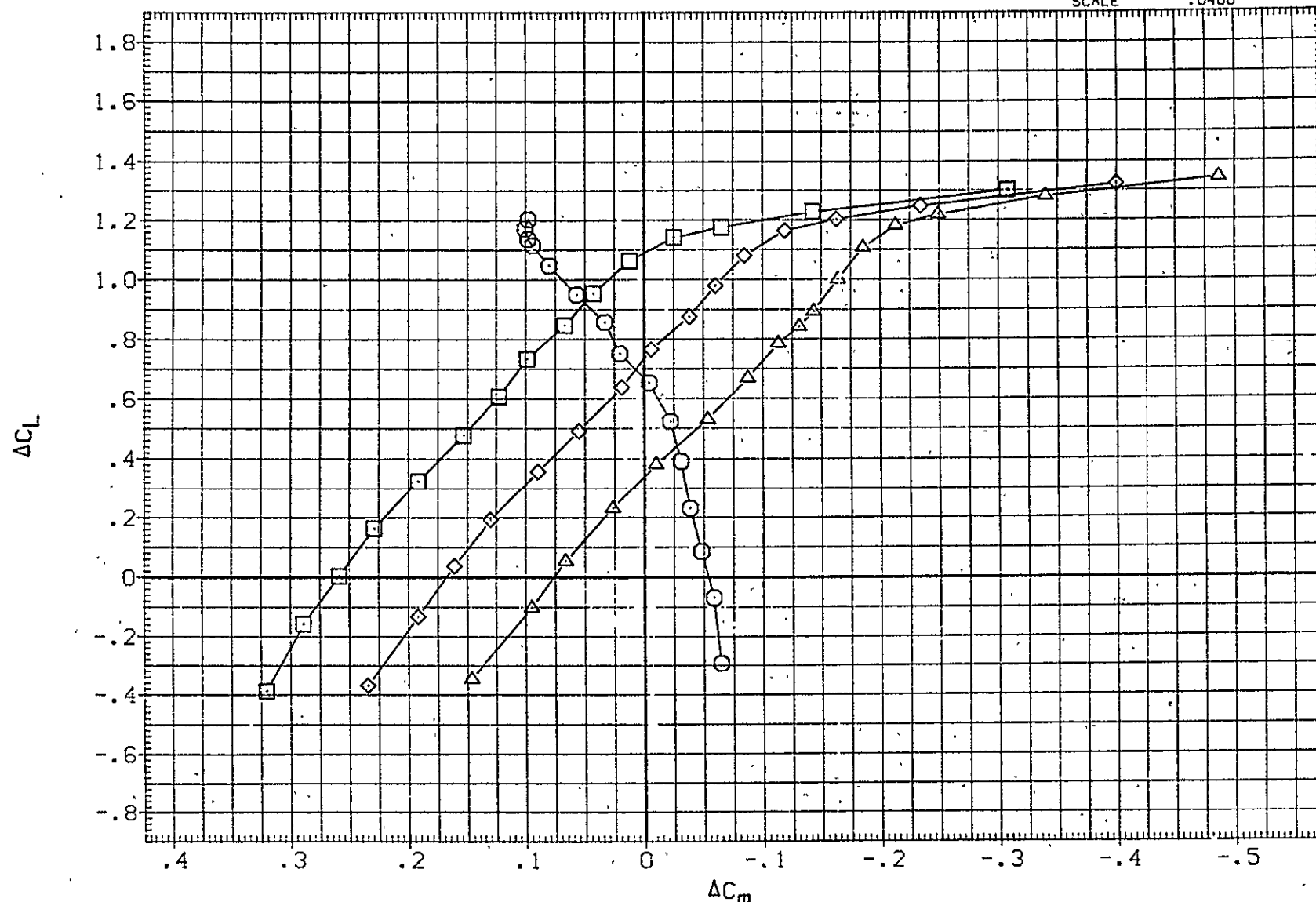


FIG 141 ALT CONFIG. STABILIZER EFFECTIVENESS, FLAPS UP, IORB=6, TC ON, ELEV=0
 CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), ALPHA SWEEPS
 (A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BETA	REFERENCE INFORMATION		
(UJF129)	○	(CA-8) K3V9.1.2TS6 FOTS401			-11.700	.000	SREF	5500.0000	SQ.FT.
(UJF126)	□	(CA-8) K3V9.1.2TS6H15.6.1FOTS401	.000	-4.000	-11.700	.000	LREF	327.8000	IN.
(UJF127)	◇	(CA-8) K3V9.1.2TS6H15.6.1FOTS401	.000	-2.000	-11.700	.000	BREF	2348.0000	IN.
(UJF128)	△	(CA-8) K3V9.1.2TS6H15.6.1FOTS401	.000	.000	-11.700	.000	XMRF	1339.9100	IN.XC
							YMRP	.0000	IN.YC
							ZMRP	190.7500	IN.ZC
							SCALE	.0400	

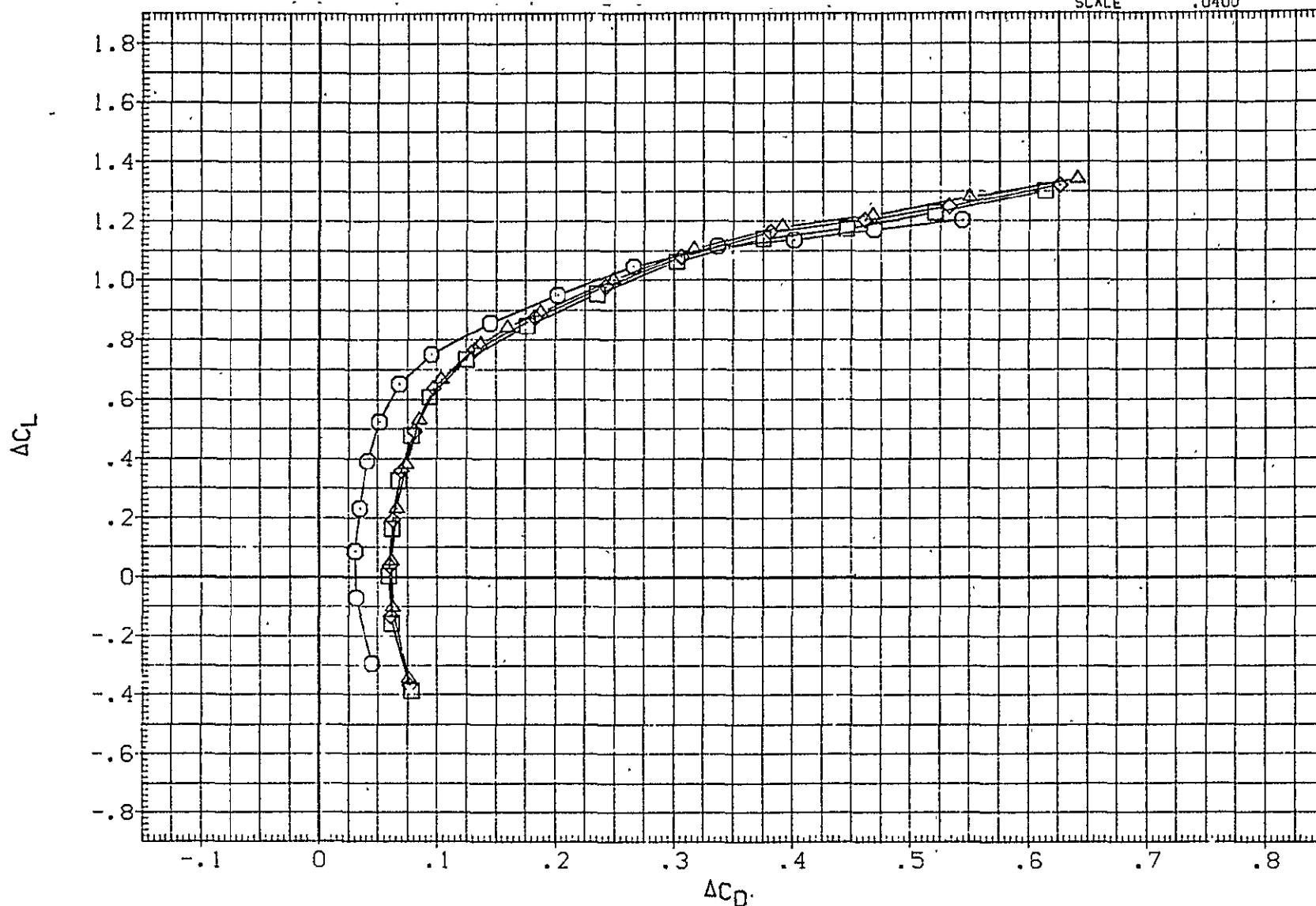


FIG 141 ALT CONFIG. STABILIZER EFFECTIVENESS, FLAPS UP, IORB=6, TC ON, ELEV=0
 CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), ALPHA SWEEPS
 (A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEV ¹ R	STAB	BDFLAP	BETA	REFERENCE INFORMATION		
(UJF085)	○	(CA-8) K3V9.1.2TS5 F20TS401			-11.700	.000	SREF	5500.0000	50.FT.
(UJF082)	□	(CA-8) K3V9.1.2TS5H15.6.1F20TS401	.000	-4.000	-11.700	.000	LREF	327.8000	IN.
(UJF083)	◇	(CA-8) K3V9.1.2TS5H15.6.1F20TS401	.000	-2.000	-11.700	.000	BREF	2348.0000	IN.
(UJF084)	△	(CA-8) K3V9.1.2TS5H15.6.1F20TS401	.000	.000	-11.700	.000	XMRP	1339.9100	IN.XC
							YMRP	.0000	IN.YC
							ZMRP	190.7500	IN.ZC
							SCALE	.0400	

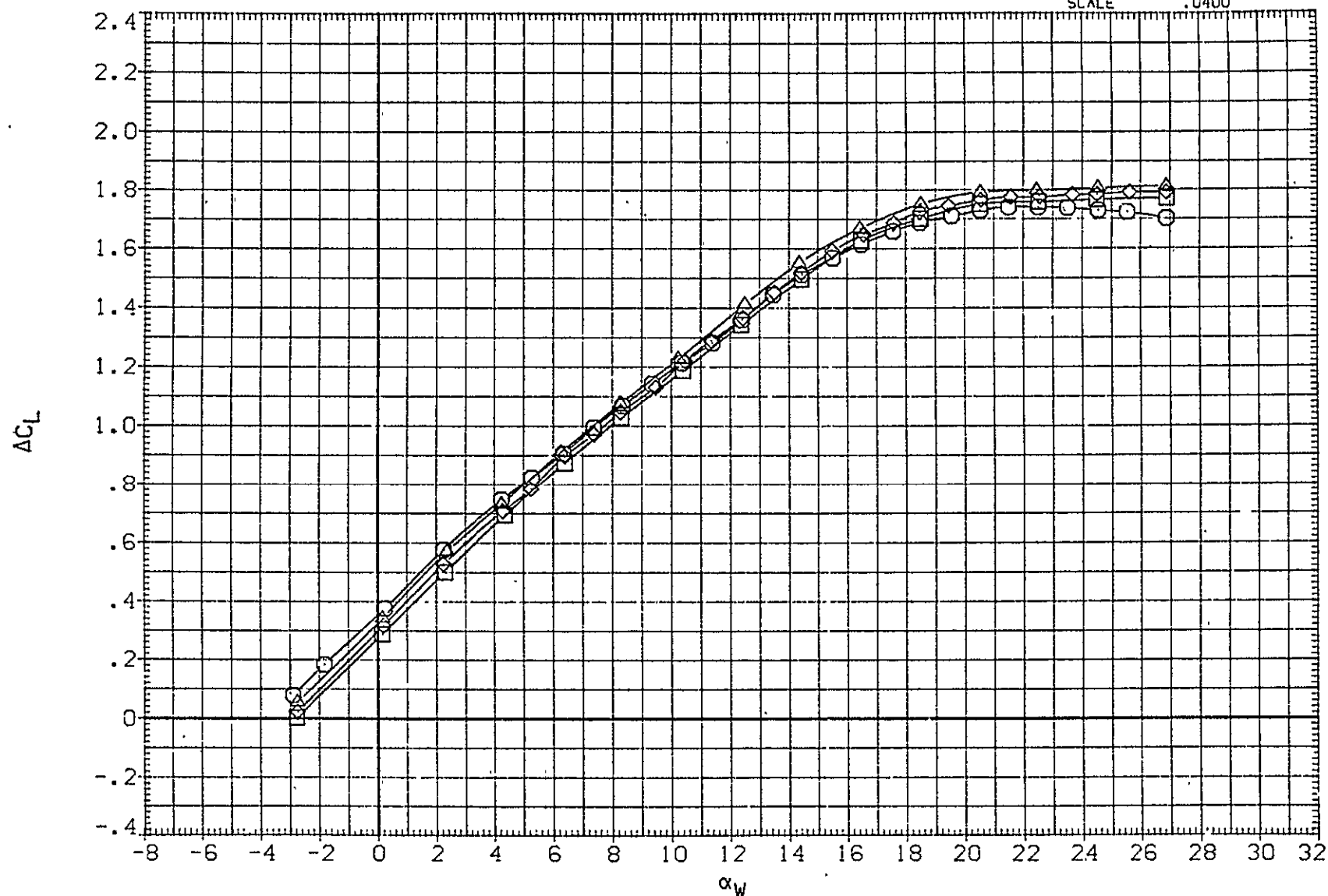


FIG 142 ALT CONFIG. STABILIZER EFFECTIVENESS, FLAPS 20. IORB=6, TC ON, ELEV=-5
 CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE). ALPHA SWEEPS
 (A) MACH = .15 PAGE 478

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BETA	REFERENCE INFORMATION		
(UJF085)	○	(CA-8) K3V9.1.2TS5 F20TS401			-11.700	.000	SREF	5500.0000	SQ.FT.
(UJF082)	□	(CA-8) K3V9.1.2TS5H15.6.1F20TS401	.000	-4.000	-11.700	.000	LREF	327.8000	IN.
(UJF083)	◇	(CA-8) K3V9.1.2TS5H15.6.1F20TS401	.000	-2.000	-11.700	.000	BREF	2348.0000	IN.
(UJF084)	△	(CA-8) K3V9.1.2TS5H15.6.1F20TS401	.000	.000	-11.700	.000	XMRP	1339.9100	IN.XC
							YMRP	.0000	IN.YC
							ZMRP	190.7500	IN.ZC
							SCALE	.0400	

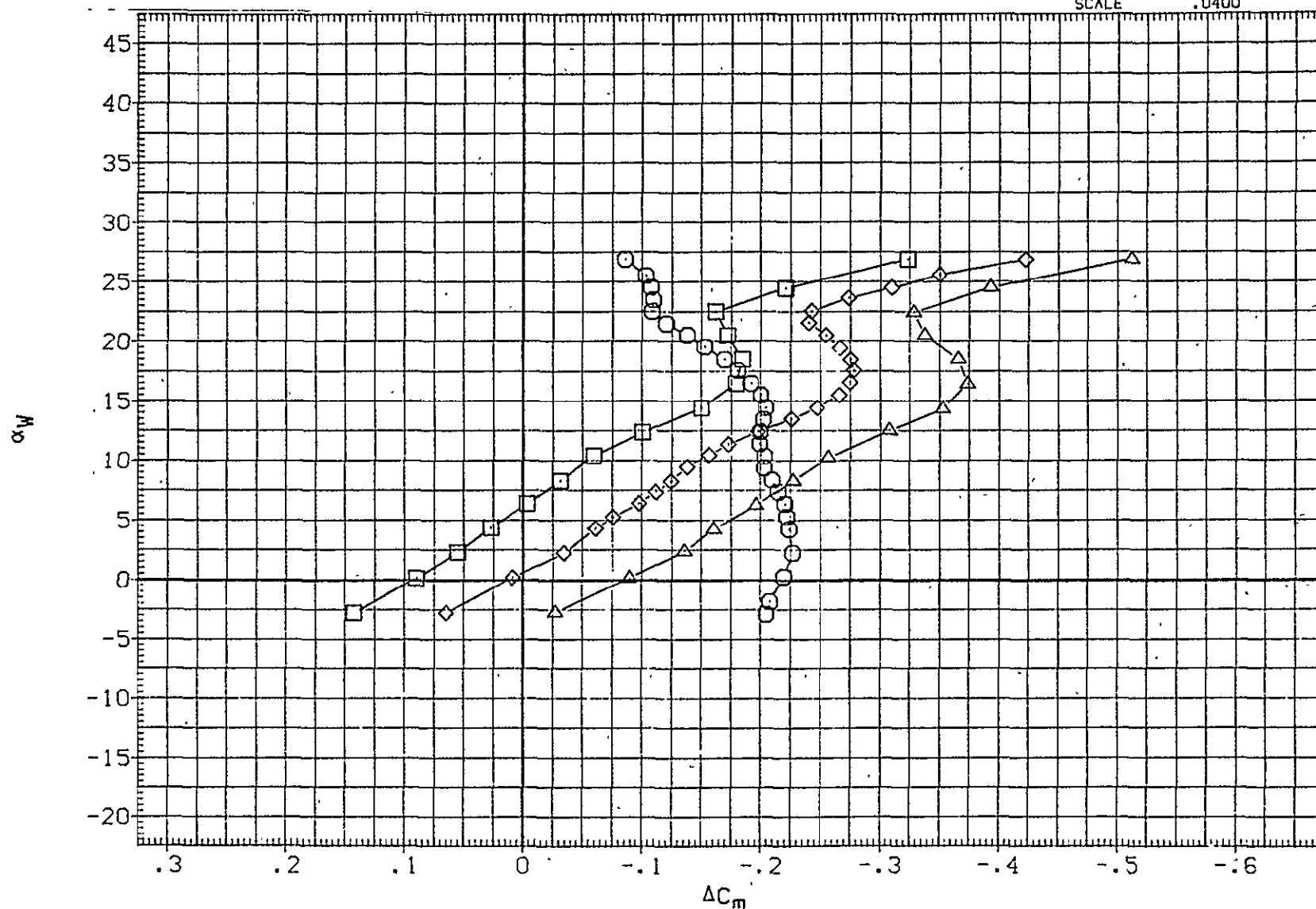


FIG 142 ALT CONFIG. STABILIZER EFFECTIVENESS, FLAPS 20, IORB=6, TC ON, ELEV=-5
 CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE). ALPHA SWEEPS
 (A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	POFLAP	BETA	REFERENCE INFORMATION		
(UJF085)	○	(CA-8) K3V9.1.2TS5 F20TS401			-11.700	.000	SREF	5500.0000	SQ.FT.
(UJF082)	□	(CA-8) K3V9.1.2TS5H15.6.1F20TS401	.000	-4.000	-11.700	.000	LREF	327.8000	IN.
(UJF083)	◇	(CA-8) K3V9.1.2TS5H15.6.1F20TS401	.000	-2.000	-11.700	.000	BREF	2348.0000	IN.
(UJF084)	△	(CA-8) K3V9.1.2TS5H15.6.1F20TS401	.000	.000	-11.700	.000	XMRP	1339.9100	IN.XC
							YMRP	.0000	IN.YC
							ZMRP	190.7500	IN.ZC
							SCALE	.0400	

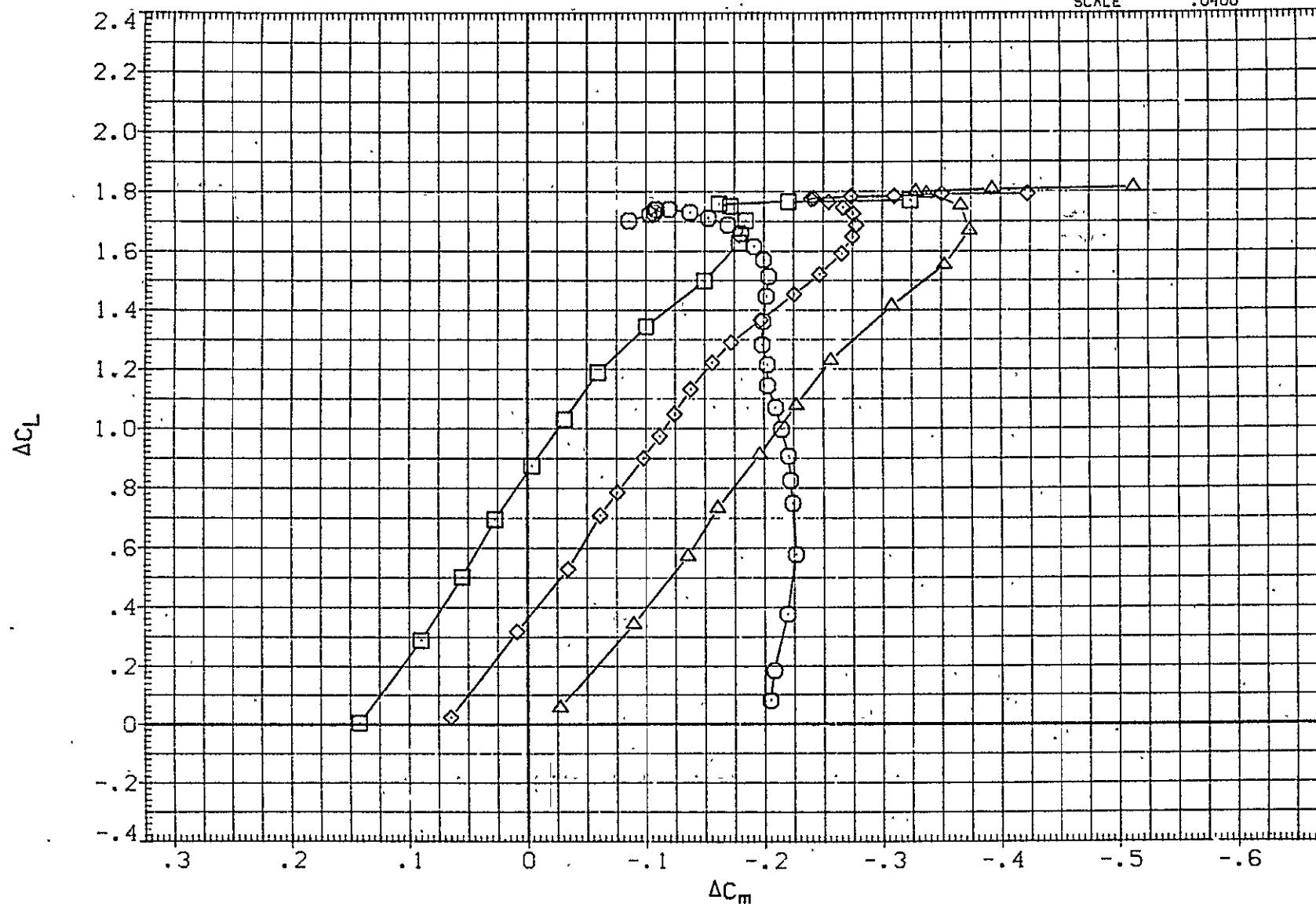


FIG 142 ALT CONFIG. STABILIZER EFFECTIVENESS. FLAPS 20. IORB=6. TC ON.ELEV=-5
 CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), ALPHA SWEEPS
 (A)MACH = .15 PAGE 480

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(UJF085)	○	(CA-8) K3V9.1.2TS5 F20TS401
(UJF082)	□	(CA-8) K3V9.1.2TS5H15.6.1F20TS401
(UJF083)	◇	(CA-8) K3V9.1.2TS5H15.6.1F20TS401
(UJF084)	△	(CA-8) K3V9.1.2TS5H15.6.1F20TS401

ELEVTR	STAB	BDFLAP	BETA
.000	-4.000	-11.700	.000
.000	-2.000	-11.700	.000
.000	.000	-11.700	.000

REFERENCE INFORMATION		
SREF	5500.0000	50.FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMRP	1339.9100	IN.XC
YMRP	.0000	IN.YC
ZMRP	190.7500	IN.ZC
SCALE	.0400	

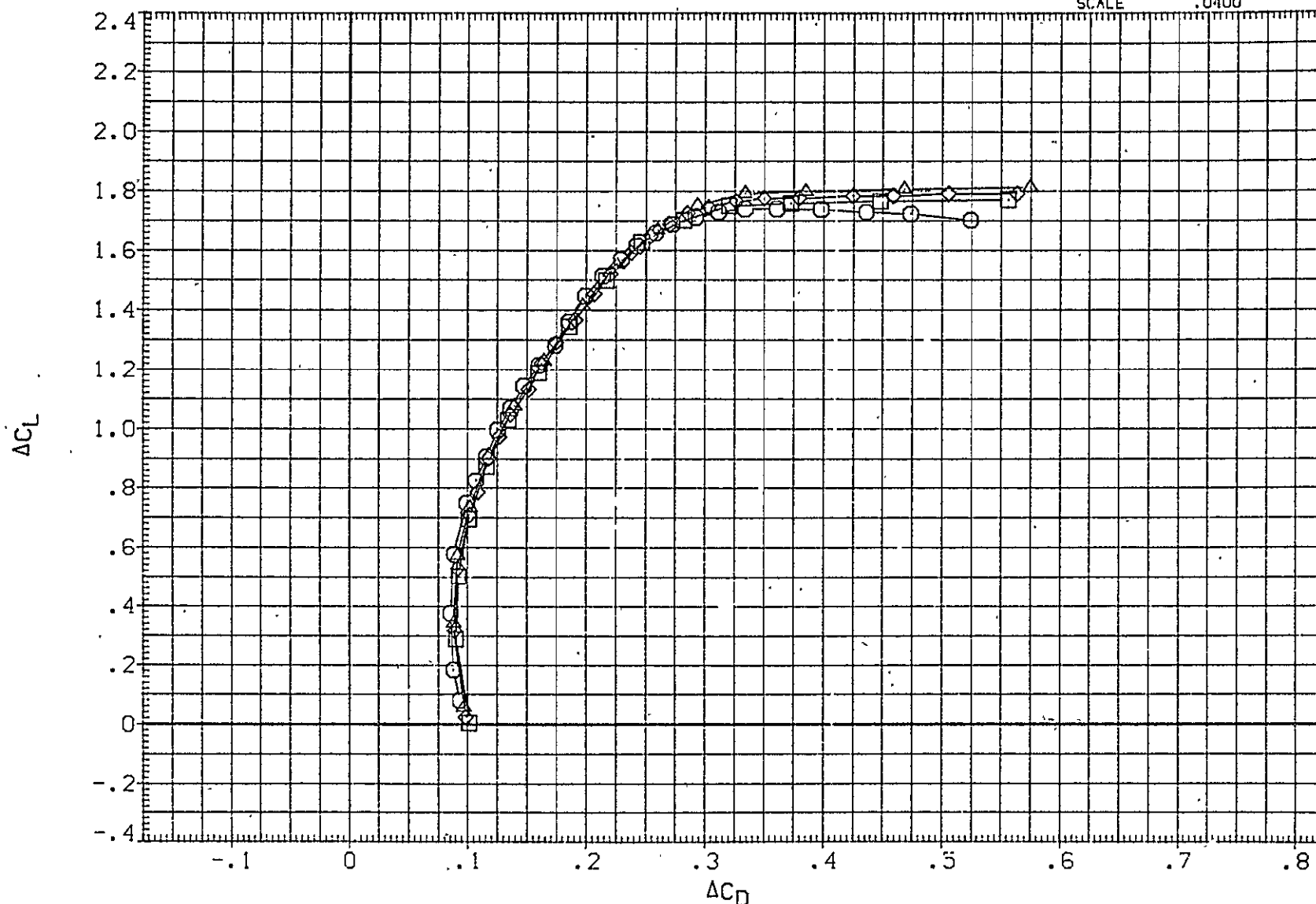


FIG 142 ALT CONFIG. STABILIZER EFFECTIVENESS, FLAPS 20, IORB=6, TC ON, ELEV=-5
CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), ALPHA SWEEPS

(A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BETA	REFERENCE INFORMATION		
(UJF044)	○	(CA-8) K3V9.1.2TS5 F30G5.3.5TS401			-11.700	.000	SREF	5500.0000	SQ.FT.
(UJF047)	□	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	.000	3.000	-11.700	.000	LREF	327.8000	IN.
(UJF046)	◇	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	.000	.000	-11.700	.000	BREF	2348.0000	IN.
(UJF048)	△	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	.000	-2.000	-11.700	.000	XMRP	1339.9100	IN.XC
(UJF045)	▽	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	.000	-4.000	-11.700	.000	YMRP	.0000	IN.YC
							ZMRP	190.7500	IN.ZC
							SCALE	.0400	

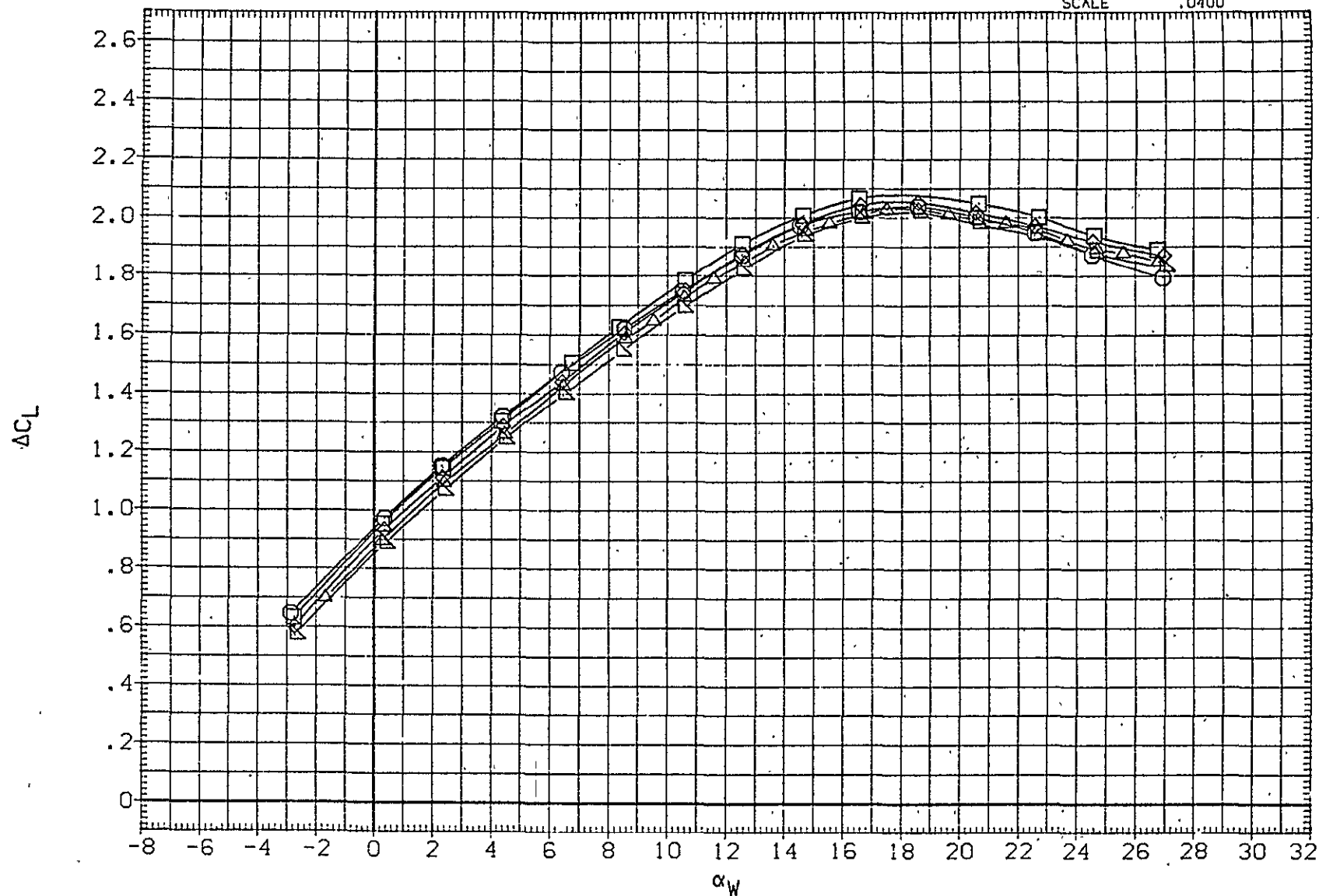


FIG 143 ALT CONFIG. STABILIZER EFFECTIVENESS, FLAPS 30, IORB=6, TC ON, ELEV=0
 CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), ALPHA SWEEPS
 (A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BETA	REFERENCE INFORMATION		
(UJF044)	○	(CA-8) K3V9.1.2TS5 F30G5.3.5TS401			-11.700	.000	SREF	5500.0000	SQ.FT.
(UJF047)	□	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	.000	3.000	-11.700	.000	LREF	327.8000	IN.
(UJF046)	◇	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	.000	.000	-11.700	.000	BPEF	2348.0000	IN.
(UJF048)	△	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	.000	-2.000	-11.700	.000	XMRP	1339.9100	IN.XC
(UJF045)	▽	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	.000	-4.000	-11.700	.000	YMRP	.0000	IN.YC
							ZMRP	190.7500	IN.ZC
							SCALE	.0400	

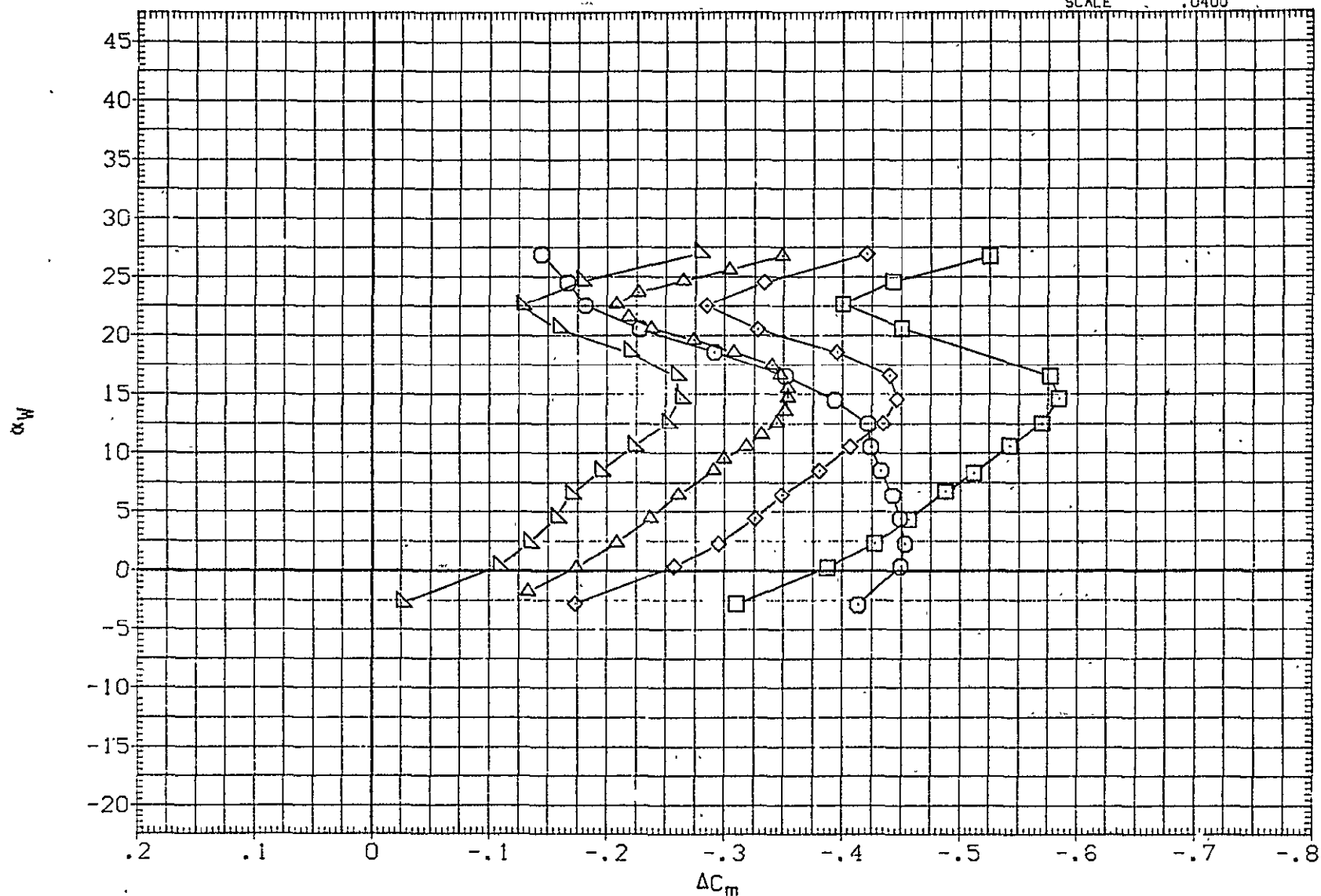


FIG 143 ALT CONFIG. STABILIZER EFFECTIVENESS, FLAPS 30, IORB=6, TC ON, ELEV=0
 CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), ALPHA SWEEPS
 (A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BETA	REFERENCE INFORMATION		
(UJF044)	○	(CA-8) K3V9.1.2TS5 F30G5.3.5TS401			-11.700	.000	SREF	5500.0000	SQ.FT.
(UJF047)	□	(CA-8) K3V9.1.2TSSH15.6.1F30G5.3.5TS401	.000	3.000	-11.700	.000	LREF	327.8000	IN.
(UJF046)	◇	(CA-8) K3V9.1.2TSSH15.6.1F30G5.3.5TS401	.000	.000	-11.700	.000	BREF	2348.0000	IN.
(UJF048)	△	(CA-8) K3V9.1.2TSSH15.6.1F30G5.3.5TS401	.000	-2.000	-11.700	.000	XM RP	1339.9100	IN.XC
(UJF045)	▽	(CA-8) K3V9.1.2TSSH15.6.1F30G5.3.5TS401	.000	-4.000	-11.700	.000	YM RP	.0000	IN.YC
							ZM RP	190.7500	IN.ZC
							SCALE	.0400	

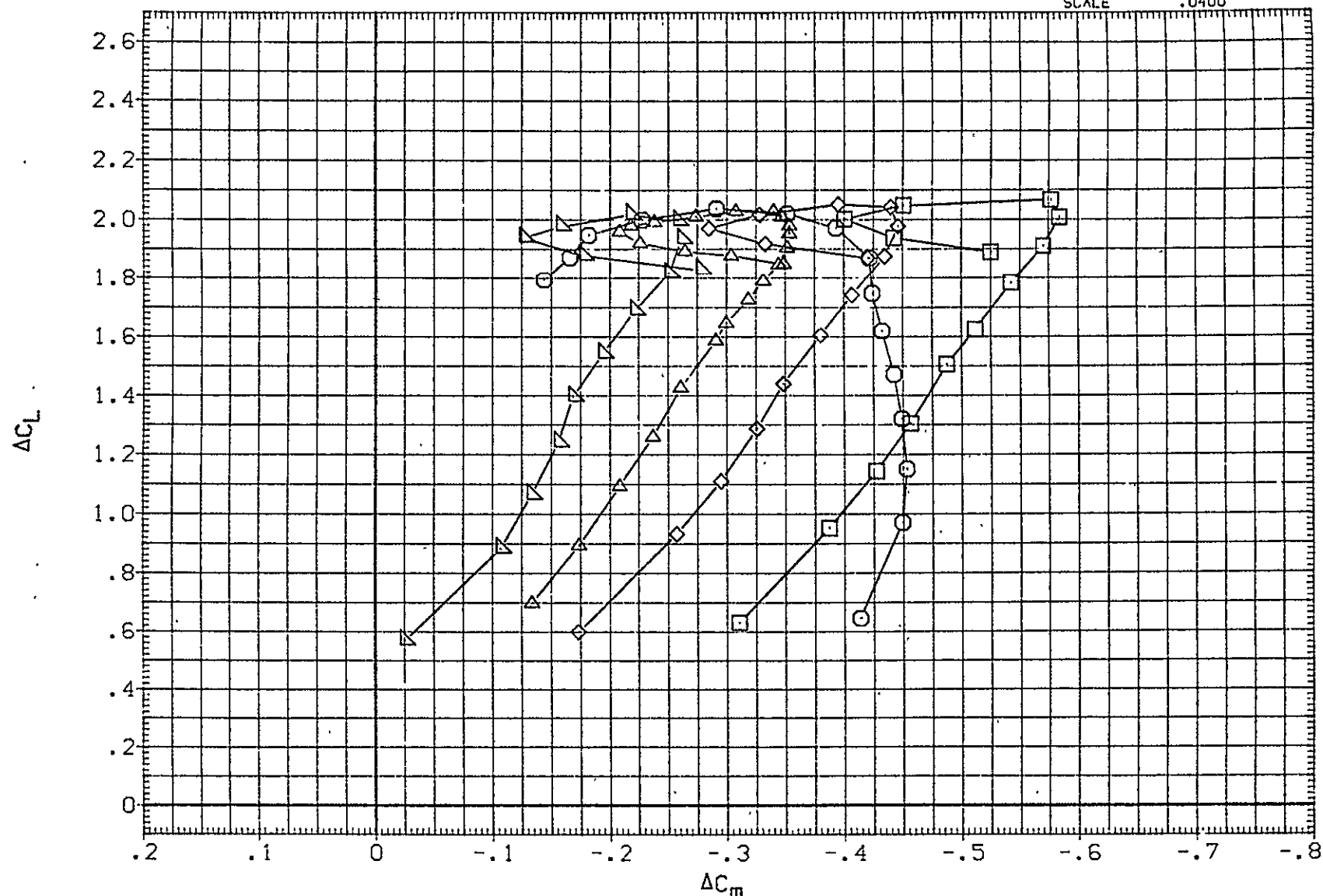


FIG 143 ALT CONFIG. STABILIZER EFFECTIVENESS, FLAPS 30, IORB=6, TC ON, ELEV=0
CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), ALPHA SWEEPS

(A) MACH = .15

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ORIGINAL PAGE IS POOR

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BETA	REFERENCE INFORMATION		
(UJF044)	□	(CA-8) K3V9.1.2TS5 F30G5.3.5TS401			-11.700	.000	SREF	5500.0000	50.FT.
(UJF047)	○	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	.000	3.000	-11.700	.000	LREF	327.8000	IN.
(UJF046)	◇	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	.000	.000	-11.700	.000	BREF	2348.0000	IN.
(UJF048)	△	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	.000	-2.000	-11.700	.000	XMRP	1339.9100	IN.XC
(UJF045)	▽	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	.000	-4.000	-11.700	.000	YMRP	.0000	IN.YC
							ZMRP	190.7500	IN.ZC
							SCALE	.0400	

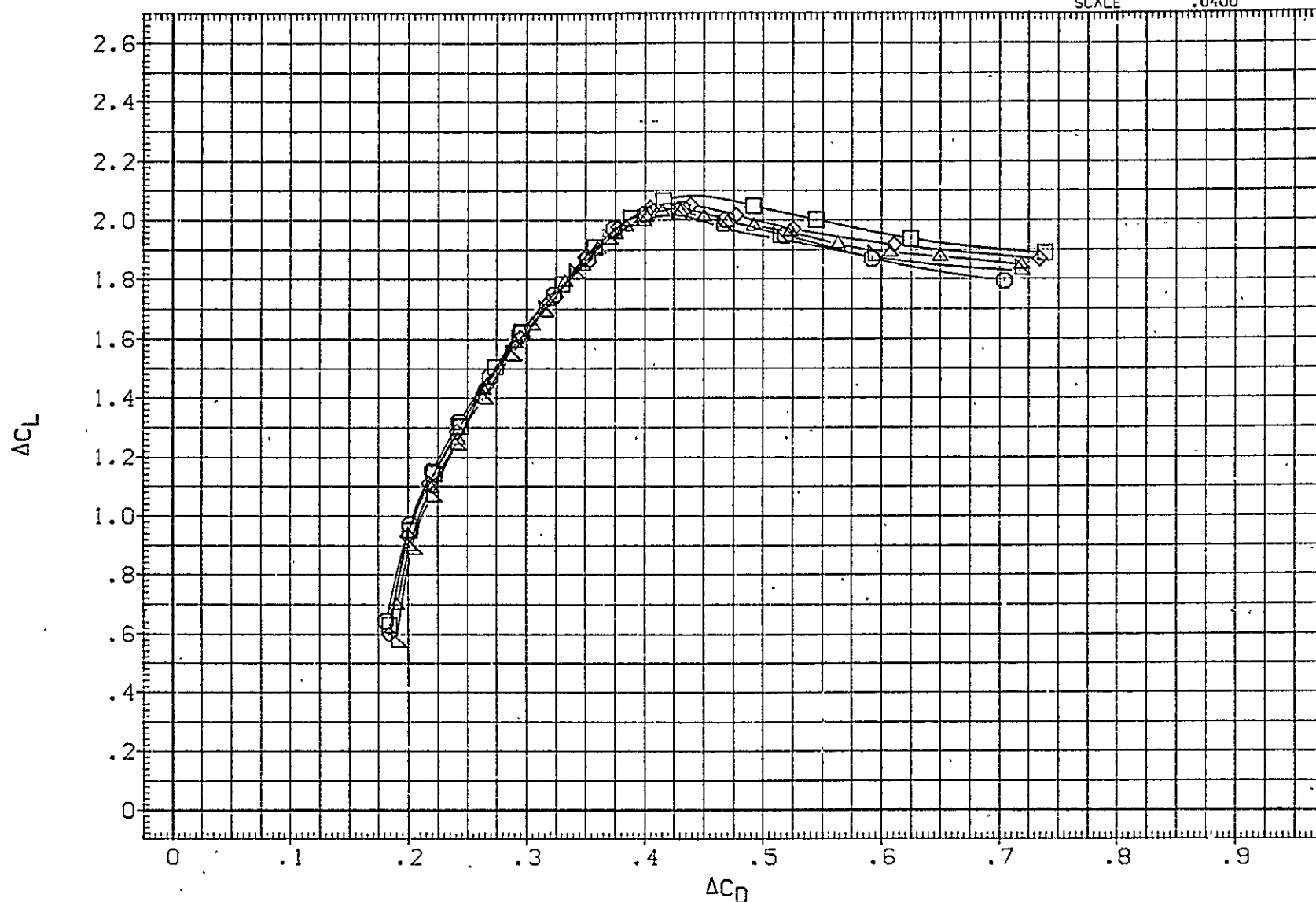


FIG 143 ALT CONFIG. STABILIZER EFFECTIVENESS, FLAPS 30, IORB=6, TC ON, ELEV=0
CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), ALPHA SWEEPS

(A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BETA	REFERENCE INFORMATION		
(UJF056)	○	(CA-8) K3V9.1.2TS5 F3065.3.5TS401				.000	SREF	5500.0000	SQ.FT.
(UJF055)	□	(CA-8) K3V9.1.2TS5H15.6.1F3065.3.5TS401	.000	.000	-11.700	.000	LREF	327.8000	IN.
(UJF054)	◇	(CA-8) K3V9.1.2TS5H15.6.1F3065.3.5TS401	.000	-2.000	-11.700	.000	BREF	2348.0000	IN.
(UJF053)	△	(CA-8) K3V9.1.2TS5H15.6.1F3065.3.5TS401	.000	-4.000	-11.700	.000	XMRP	1339.9100	IN.XC
							YMRP	.0000	IN.YC
							ZMRP	190.7500	IN.ZC
							SCALE	.0400	

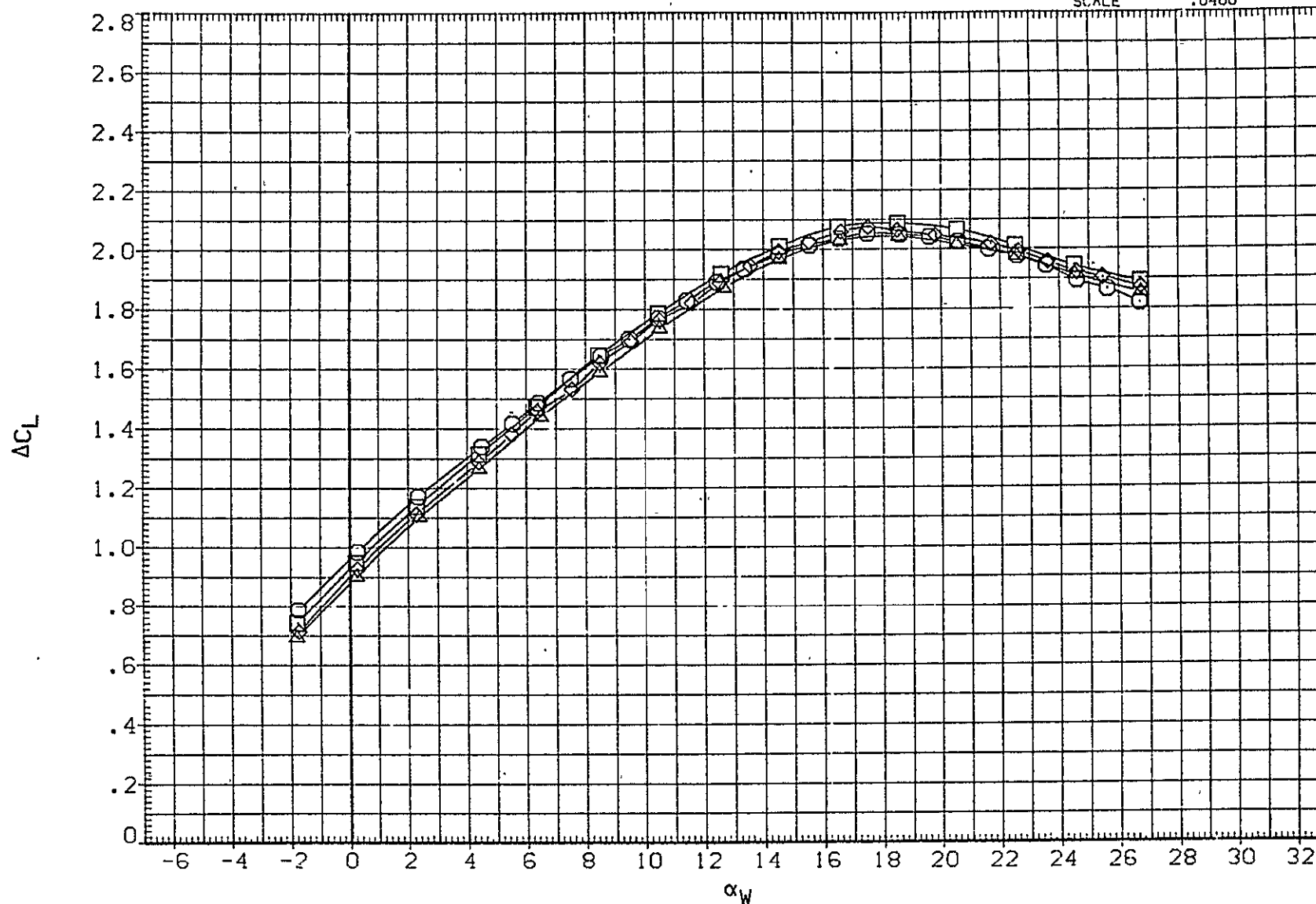


FIG 144 ALT CONFIG. STABILIZER EFFECTIVENESS. FLAPS 30. IORB=6. TC ON.ELEV=-5
 CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), ALPHA SWEEPS
 (A)MACH = .15 PAGE 486

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BETA	REFERENCE INFORMATION		
(UJF056)	○	(CA-8) K3V9.1.2TS5 F30G5.3.5TS401				.000	SREF	5500.0000	50.FT.
(UJF055)	□	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	.000	.000	-11.700	.000	LREF	327.8000	IN.
(UJF054)	◇	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	.000	-2.000	-11.700	.000	BREF	2348.0000	IN.
(UJF053)	△	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	.000	-4.000	-11.700	.000	XMRP	1339.9100	IN.XC
							YMRP	.0000	IN.YC
							ZMRP	190.7500	IN.ZC
							SCALE	.0400	

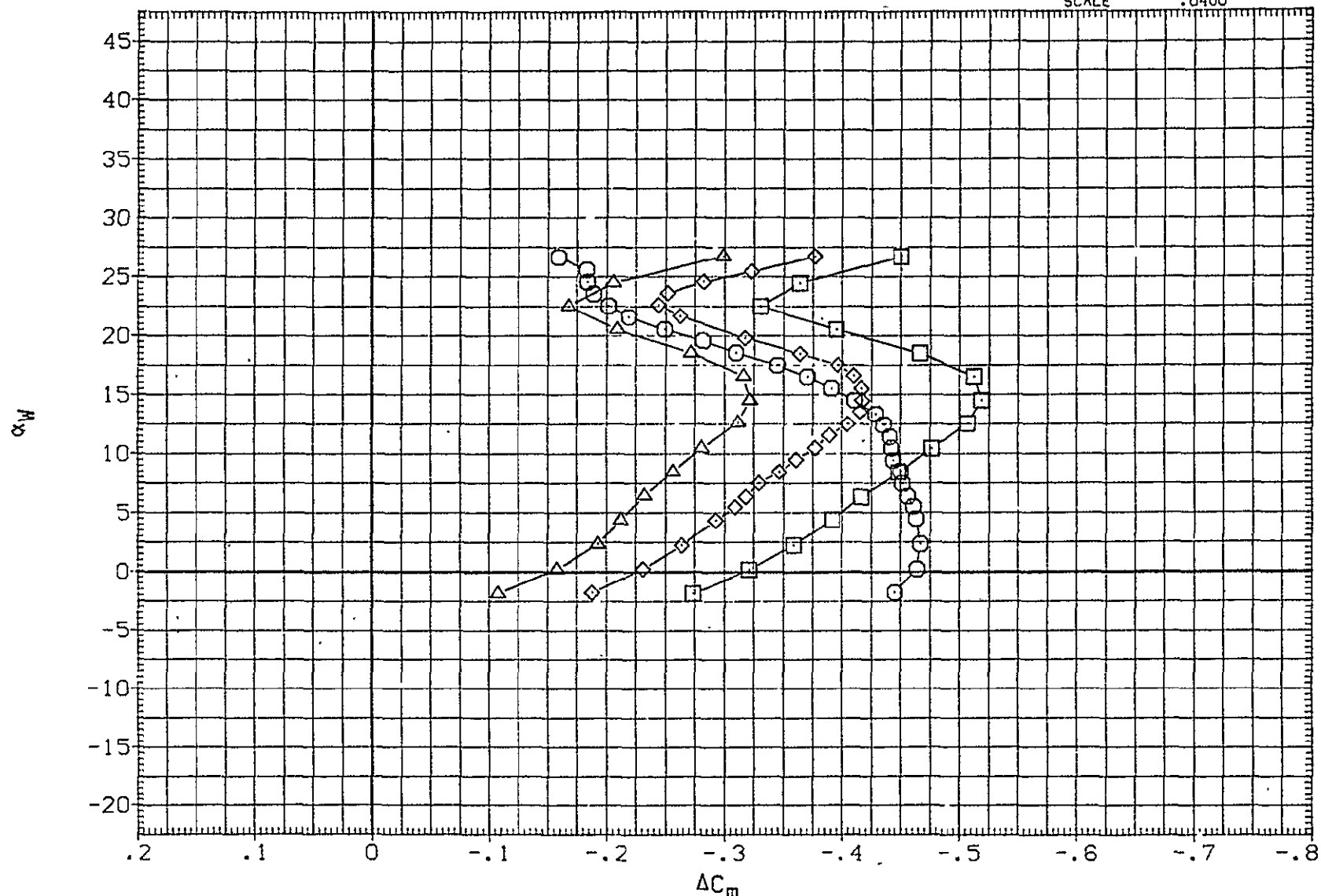


FIG 144 ALT CONFIG. STABILIZER EFFECTIVENESS, FLAPS 30, IORB=6, TC ON, ELEV=-5
 CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE). ALPHA SWEEPS
 (A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BETA	REFERENCE INFORMATION		
(UJF056)	○	(CA-8) K3V9.1.2TS5 F30G5.3.5TS401				.000	SREF	5500.0000	SQ.FT.
(UJF055)	□	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	.000	.000	-11.700	.000	LREF	327.8000	IN.
(UJF054)	△	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	.000	-2.000	-11.700	.000	BREF	2348.0000	IN.
(UJF053)	◇	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	.000	-4.000	-11.700	.000	XMRP	1339.9100	IN.XC
							YMRP	.0000	IN.YC
							ZMRP	190.7500	IN.ZC
							SCALE	.0400	

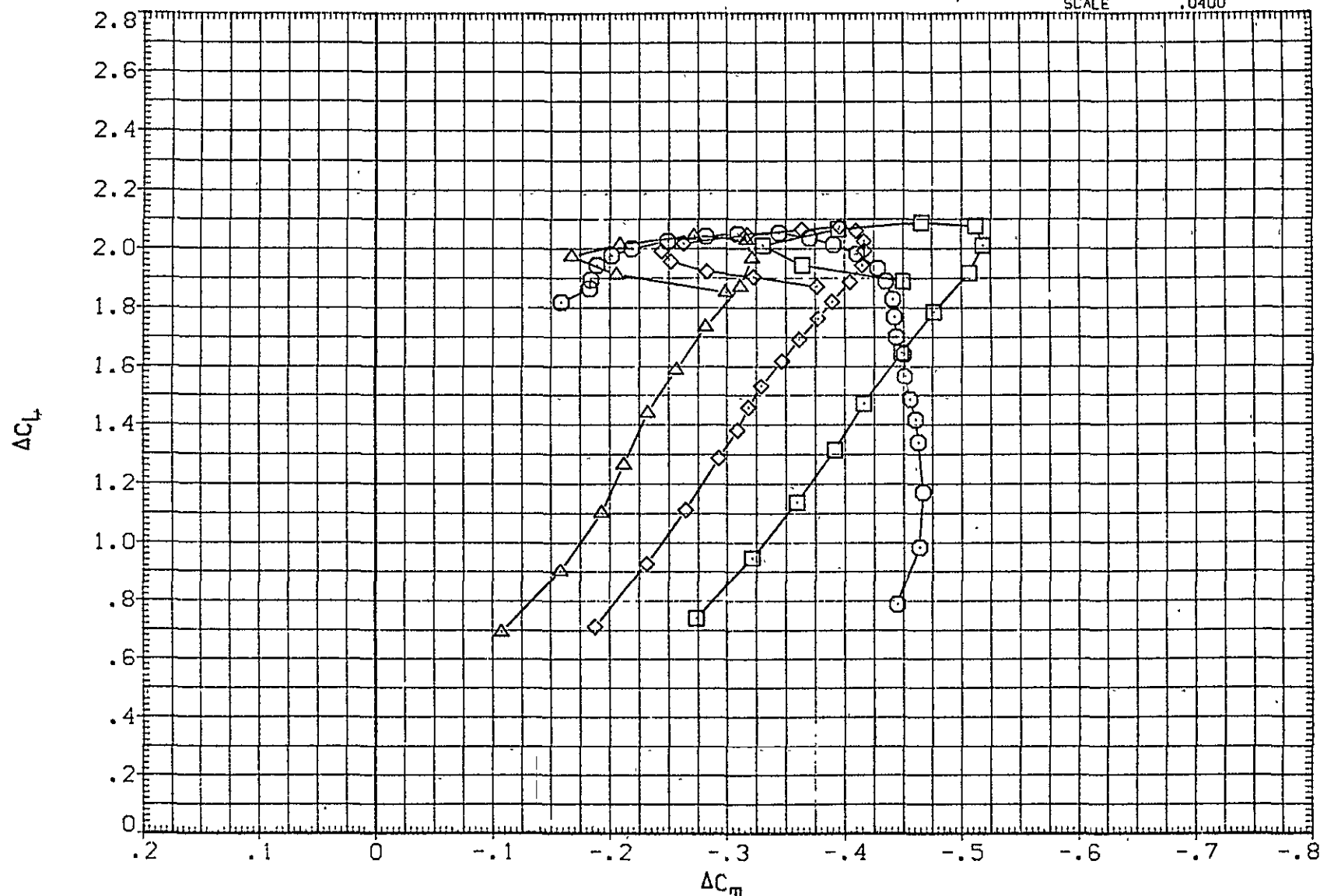


FIG 144 ALT CONFIG. STABILIZER EFFECTIVENESS, FLAPS 30, IORB=6, TC ON, ELEV=-5
 CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), ALPHA SWEEPS
 (A) MACH = .15 PAGE 488

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BETA	REFERENCE INFORMATION		
(UJF056)	○	(CA-8) K3V9.1.2TS5 F30G5.3.5TS401				.000	SREF	5500.0000	SQ.FT.
(UJF055)	□	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	.000	.000	-11.700	.000	LREF	327.8000	IN.
(UJF054)	◇	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	.000	-2.000	-11.700	.000	BREF	2348.0000	IN.
(UJF053)	△	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	.000	-4.000	-11.700	.000	XMRP	1339.9100	IN.XC
							YMRP	.0000	IN.YC
							ZMRP	190.7500	IN.ZC
							SCALE	.0400	

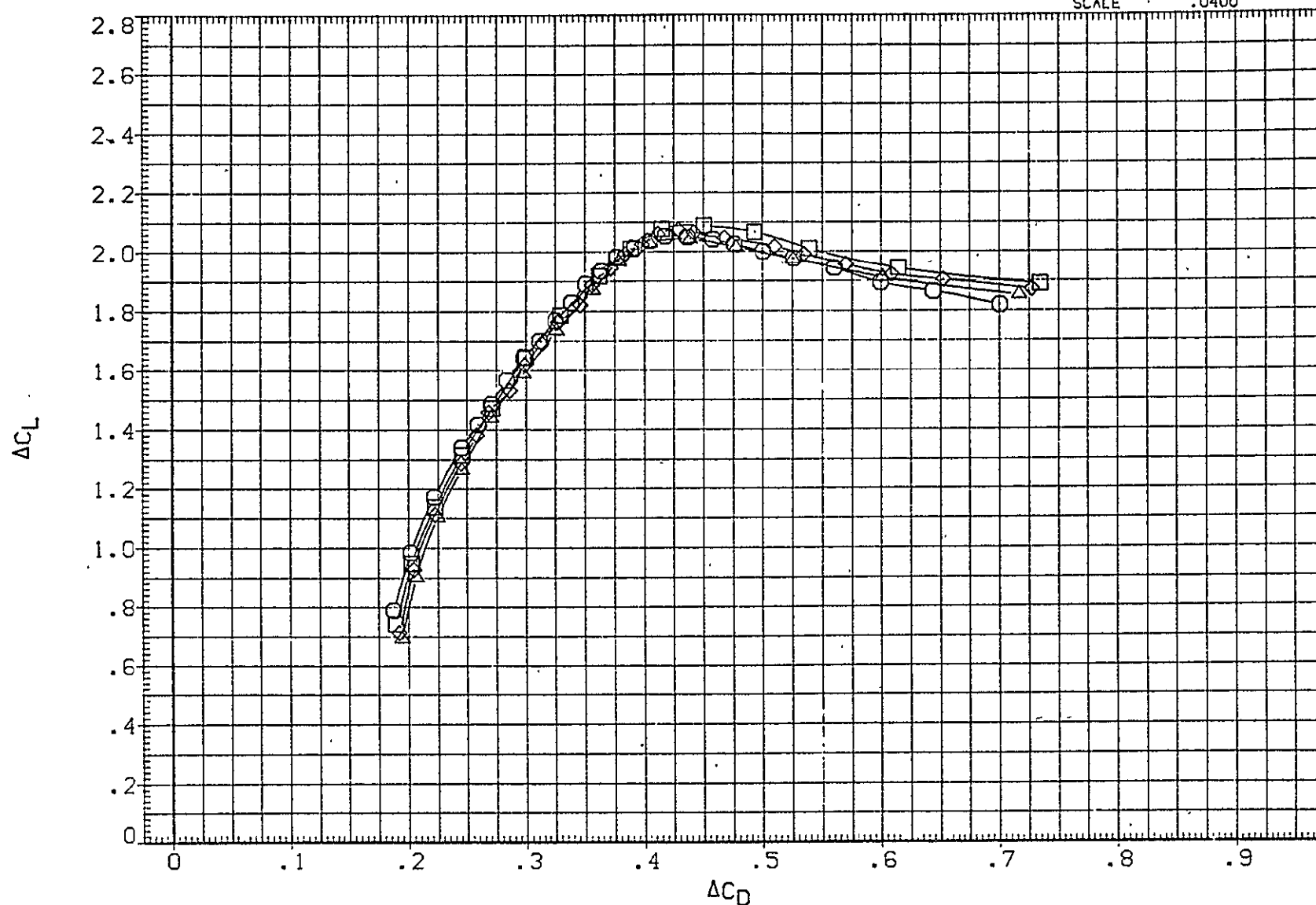


FIG 144 ALT CONFIG. STABILIZER EFFECTIVENESS, FLAPS 30, IORB=6, TC ON, ELEV=-5
CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), ALPHA SWEEPS

(A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BETA	REFERENCE INFORMATION		
(UJF049)	○	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	17.000	-2.0C0	-11.700	.000	SREF	5500.0000	SQ.FT.
(UJF050)	□	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	10.000	-2.0C0	-11.700	.000	LREF	327.8000	IN.
(UJF054)	◇	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	.000	-2.0C0	-11.700	.000	BREF	2348.0000	IN.
(UJF051)	△	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	-10.000	-2.0C0	-11.700	.000	XMRP	1339.9100	IN.XC
(UJF052)	▽	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	-23.000	-2.0C0	-11.700	.000	YMRP	.0000	IN.YC
							ZMRP	190.7500	IN.ZC
							SCALE	.0400	

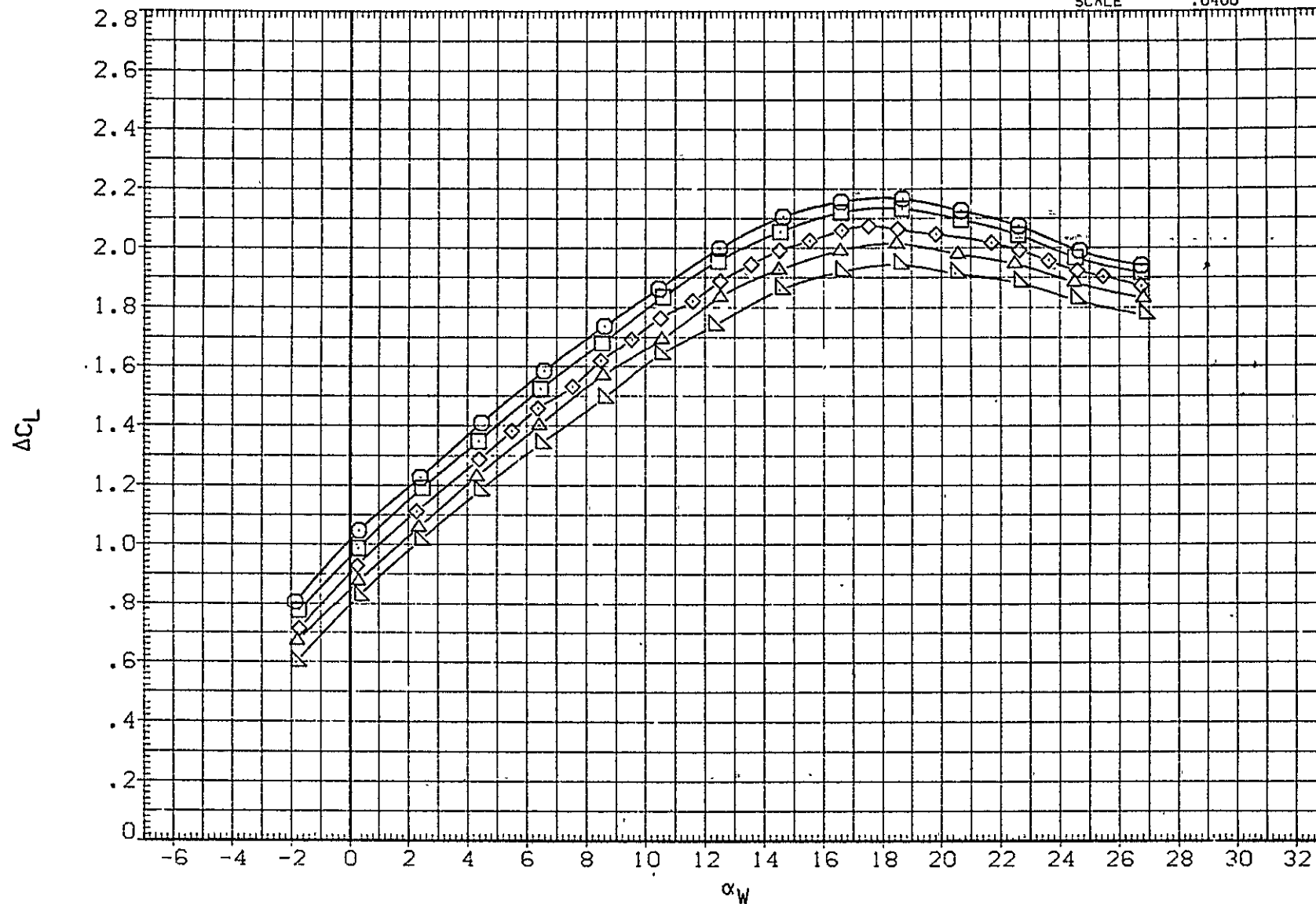


FIG 145 ALT CONFIG. ELEVATOR EFFECTIVENESS, FLAPS 30, IORB=6, TC ON, ELEV=-5
 CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), ALPHA SWEEPS
 (A) MACH = .15
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DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BETA	REFERENCE INFORMATION	
(UJF049)	○	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	17.000	-2.000	-11.700	.000	SREF	5500.0000 SQ.FT.
(UJF050)	□	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	10.000	-2.000	-11.700	.000	LREF	327.8000 IN.
(UJF054)	◇	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	.000	-2.000	-11.700	.000	BREF	2348.0000 IN.
(UJF051)	△	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	-10.000	-2.000	-11.700	.000	XMRP	1339.9100 IN.XC
(UJF052)	▽	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	-23.000	-2.000	-11.700	.000	YMRP	.0000 IN.YC
							ZMRP	190.7500 IN.ZC
							SCALE	.0400

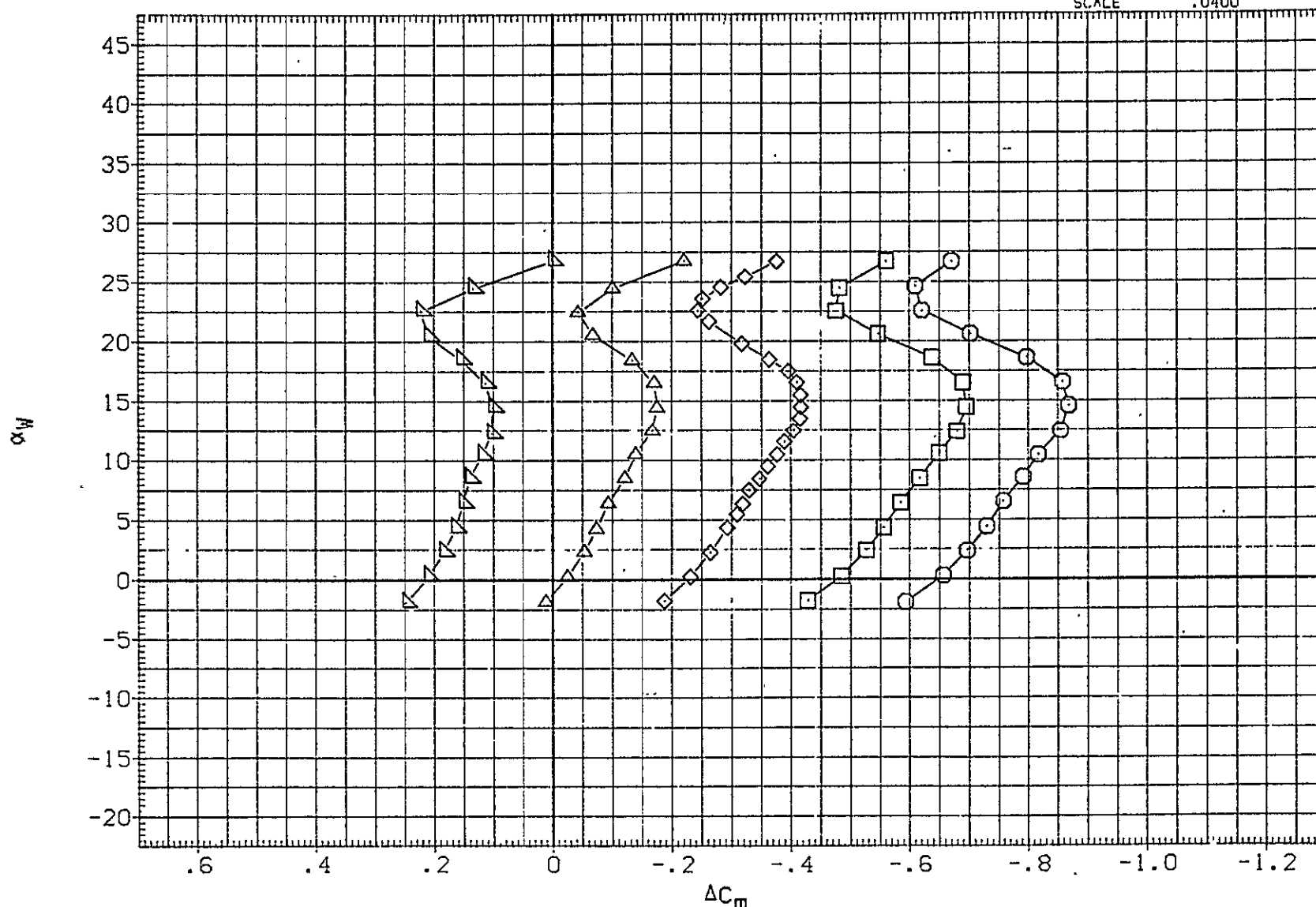


FIG 145 ALT CONFIG. ELEVATOR EFFECTIVENESS, FLAPS 30, IORB=6, TC ON, ELEV=-5
 CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), ALPHA SWEEPS
 (A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BETA	REFERENCE INFORMATION		
(UJF049)	□	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	17.000	-2.000	-11.700	.000	SREF	5500.0000	SQ.FT.
(UJF050)	◇	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	10.000	-2.000	-11.700	.000	LREF	327.8000	IN.
(UJF054)	△	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	.000	-2.000	-11.700	.000	BREF	2348.0000	IN.
(UJF051)	△	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	-10.000	-2.000	-11.700	.000	XMRP	1339.9100	IN.XC
(UJF052)	△	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	-23.000	-2.000	-11.700	.000	YMRP	.0000	IN.YC
							ZMRP	190.7500	IN.ZC
							SCALE	.0400	

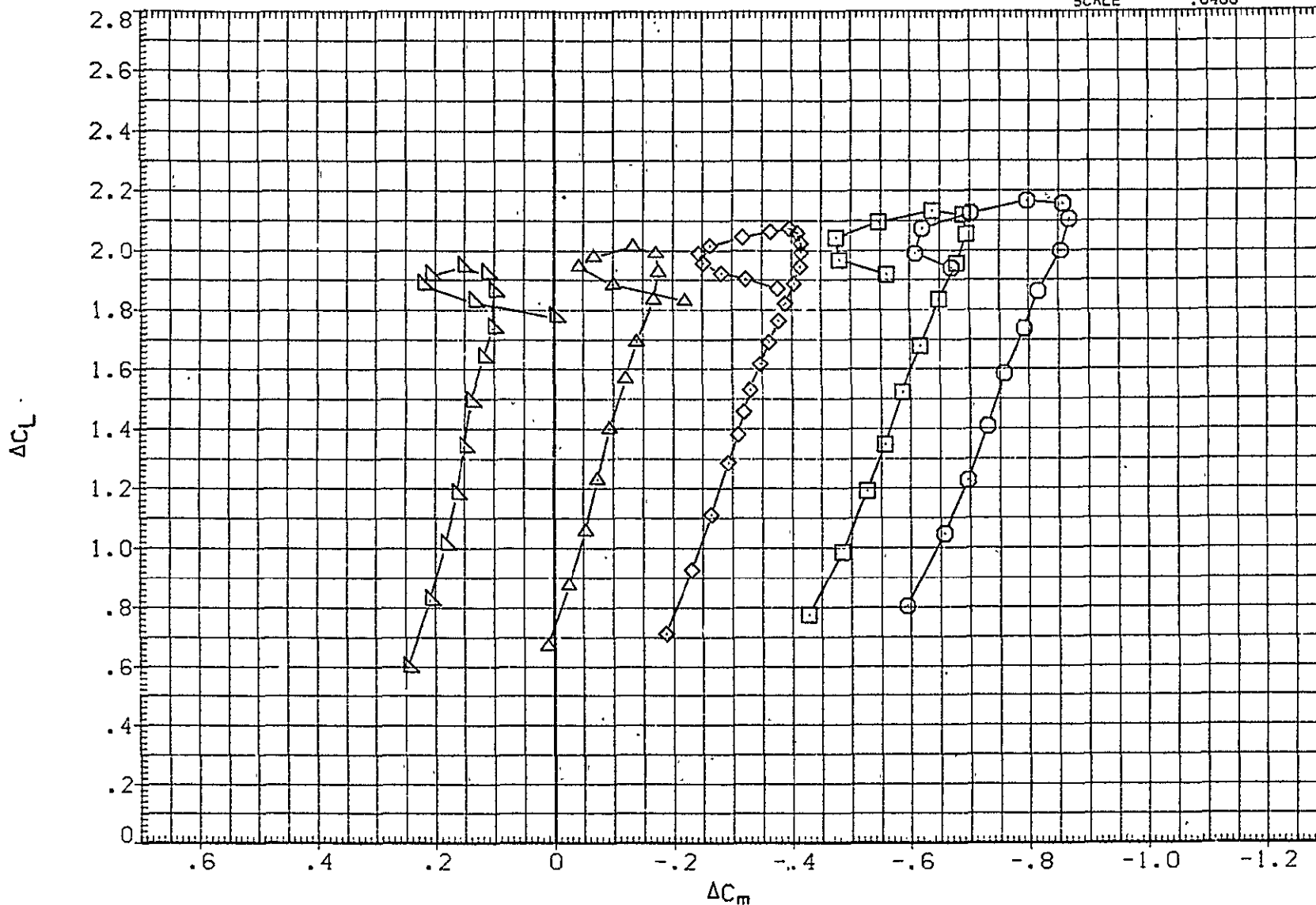


FIG 145 ALT CONFIG. ELEVATOR EFFECTIVENESS, FLAPS 30, IORB=6, TC ON, ELEV=-5
 CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), ALPHA SWEEPS
 (A) MACH = .15 PAGE 492

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BETA	REFERENCE INFORMATION		
(UJF049)	○	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	17.000	-2.000	-11.700	.000	SREF	5500.0000	SQ.FT.
(UJF050)	□	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	10.000	-2.000	-11.700	.000	LREF	327.8000	IN.
(UJF054)	◇	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	.000	-2.000	-11.700	.000	BREF	2348.0000	IN.
(UJF051)	△	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	-10.000	-2.000	-11.700	.000	XMRP	1339.9100	IN. XC
(UJF052)	▽	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	-23.000	-2.000	-11.700	.000	YMRP	.0000	IN. YC
							ZMRP	190.7500	IN. ZC
							SCALE	.0400	

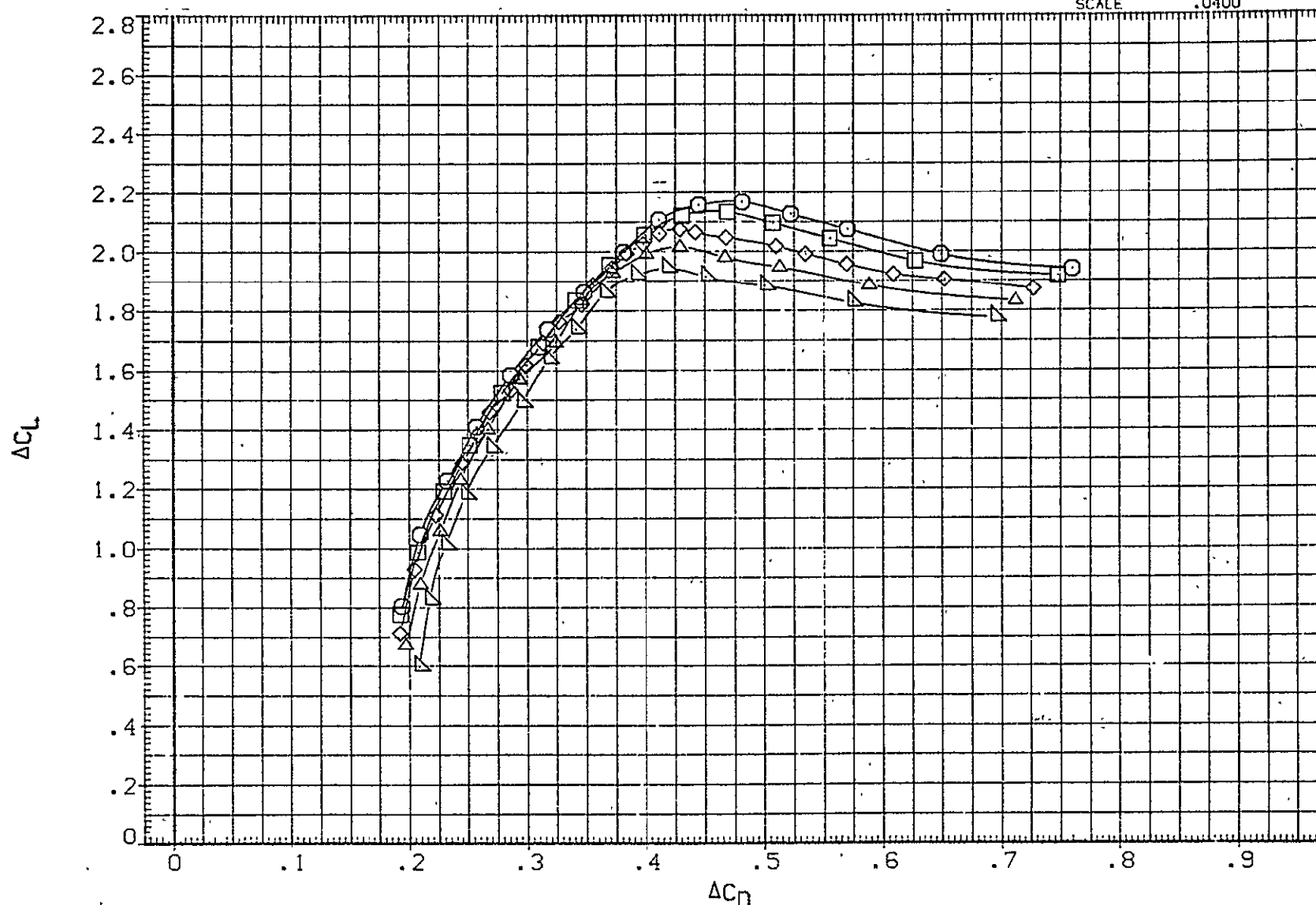


FIG 145 ALT CONFIG. ELEVATOR EFFECTIVENESS, FLAPS 30, IORB=6, TC ON, ELEV=-5
 CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), ALPHA SWEEPS
 (A) MACH = .15 PAGE 493

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BETA	REFERENCE INFORMATION		
(UJF130)	○	(CA-8) K3V9.1.2TS6 FOTS402	.000		.000	.000	SREF	5500.0000	50.FT.
(UJF132)	□	(CA-8) K3V9.1.2TS6H15.6.1FOTS402	.000	.000	.000	.000	LREF	327.8000	IN.
(UJF131)	◇	(CA-8) K3V9.1.2TS6H15.6.1FOTS402	.000	-4.000	.000	.000	BREF	2348.0000	IN.
							XMRP	1339.9100	IN. XC
							YMRP	.0000	IN. YC
							ZMRP	190.7500	IN. ZC
							SCALE	.0400	

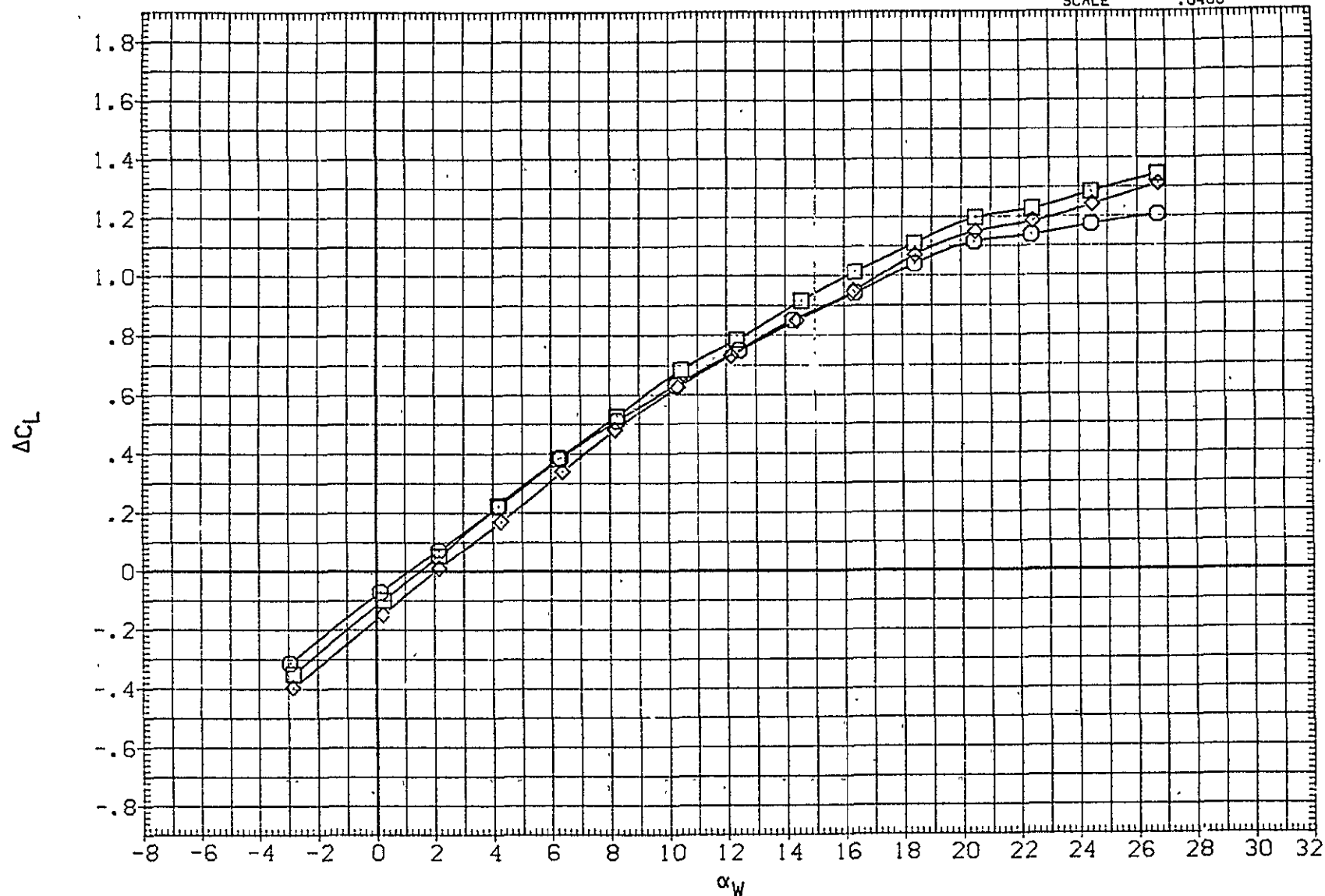


FIG 146 ALT CONFIG. STABILIZER EFFECTIVENESS, FLAPS UP, IORB=6, TC OFF, ELEV=0
 CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), ALPHA SWEEPS
 (A) MACH = .15 PAGE 494

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(UJF130)	○	(CA-8) K3V9.1.2TS6 FOTS402
(UJF132)	□	(CA-8) K3V9.1.2TS6H15.6.1FOTS402
(UJF131)	◇	(CA-8) K3V9.1.2TS6H15.6.1FOTS402

ELEVTR	STAB	BDFLAP	BFTA
.000	.000	.000	.000
.000	-4.000	.000	.000

REFERENCE INFORMATION		
SREF	5500.0000	50.FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMRP	1339.9100	IN. XC
YMRP	.0000	IN. YC
ZMRP	190.7500	IN. ZC
SCALE	.0400	

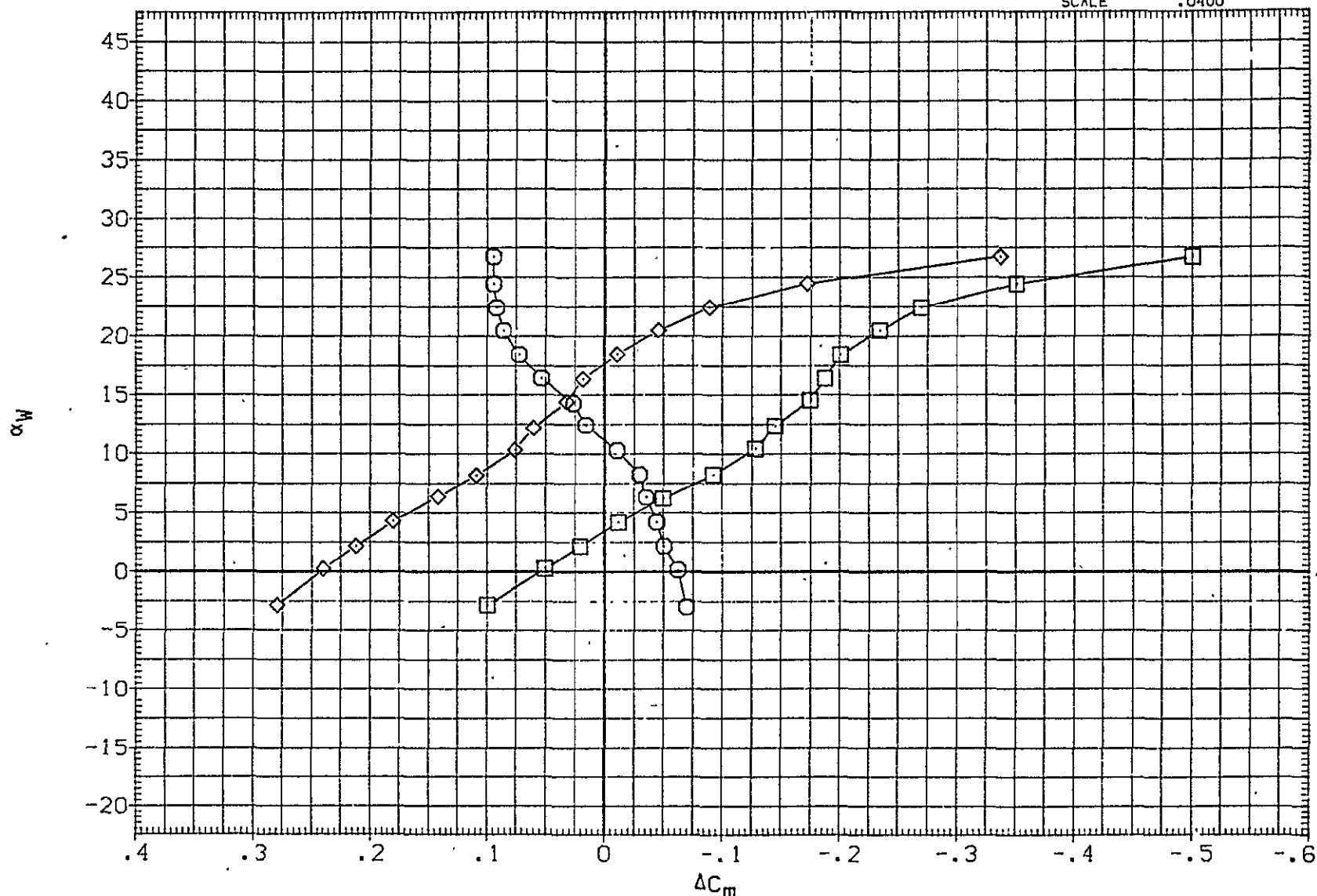


FIG 146 ALT CONFIG. STABILIZER EFFECTIVENESS, FLAPS UP, 10RB=6, TC OFF, ELEV=0
 CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE). ALPHA SWEEPS
 (A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BETA	REFERENCE INFORMATION		
(UJF130)	○	(CA-8) K3V9.1.2TS6 FOTS402	.000	.000	.000	.000	SREF	5500.0000	SQ.FT.
(UJF132)	◇	(CA-8) K3V9.1.2TS6H15.6.1FOTS402	.000	.000	.000	.000	LREF	327.8000	IN.
(UJF131)	◇	(CA-8) K3V9.1.2TS6H15.6.1FOTS402	.000	-4.000	.000	.000	BREF	2348.0000	IN.
							XMRP	1339.9100	IN. XC
							YMRP	.0000	IN. YC
							ZMRP	190.7500	IN. ZC
							SCALE	.0400	

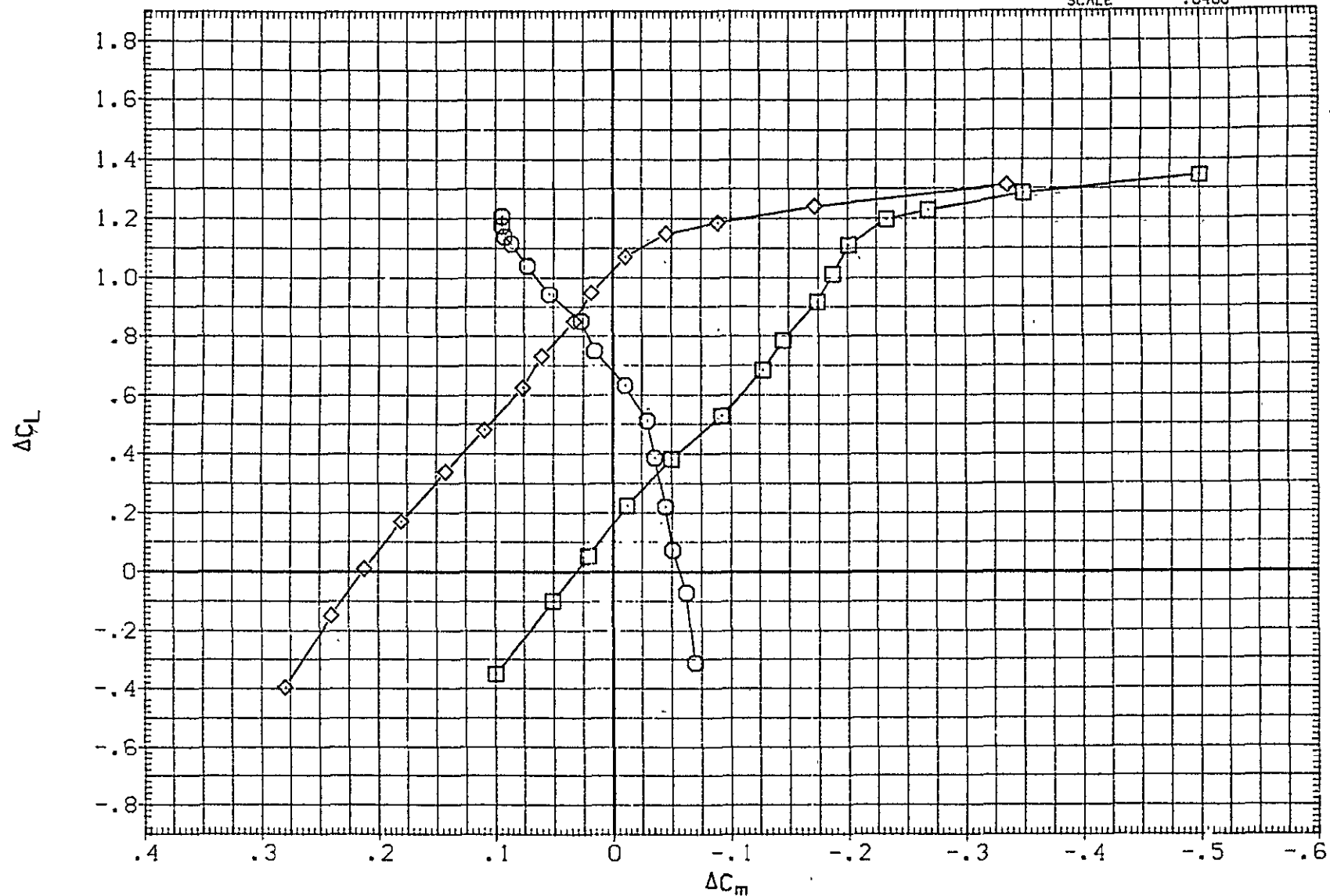


FIG 146 ALT CONFIG. STABILIZER EFFECTIVENESS, FLAPS UP, IORB=6, TC OFF, ELEV=0
CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), ALPHA SWEEPS

(A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BETA	REFERENCE INFORMATION		
{UJF130}	□	(CA-8) K3V9.1.2TS6 FOTS402			.000	.000	SREF	5500.0000	SG.FT.
{UJF132}	○	(CA-8) K3V9.1.2TS6H15.6.1FOTS402	.000	.000	.000	.000	LREF	327.8000	IN.
{UJF131}	◇	(CA-8) K3V9.1.2TS6H15.6.1FOTS402	.000	-4.000	.000	.000	BREF	2348.0000	IN.
							XMRP	1339.9100	IN. XC
							YMRP	.0000	IN. YC
							ZMRP	190.7500	IN. ZC
							SCALE	.0400	

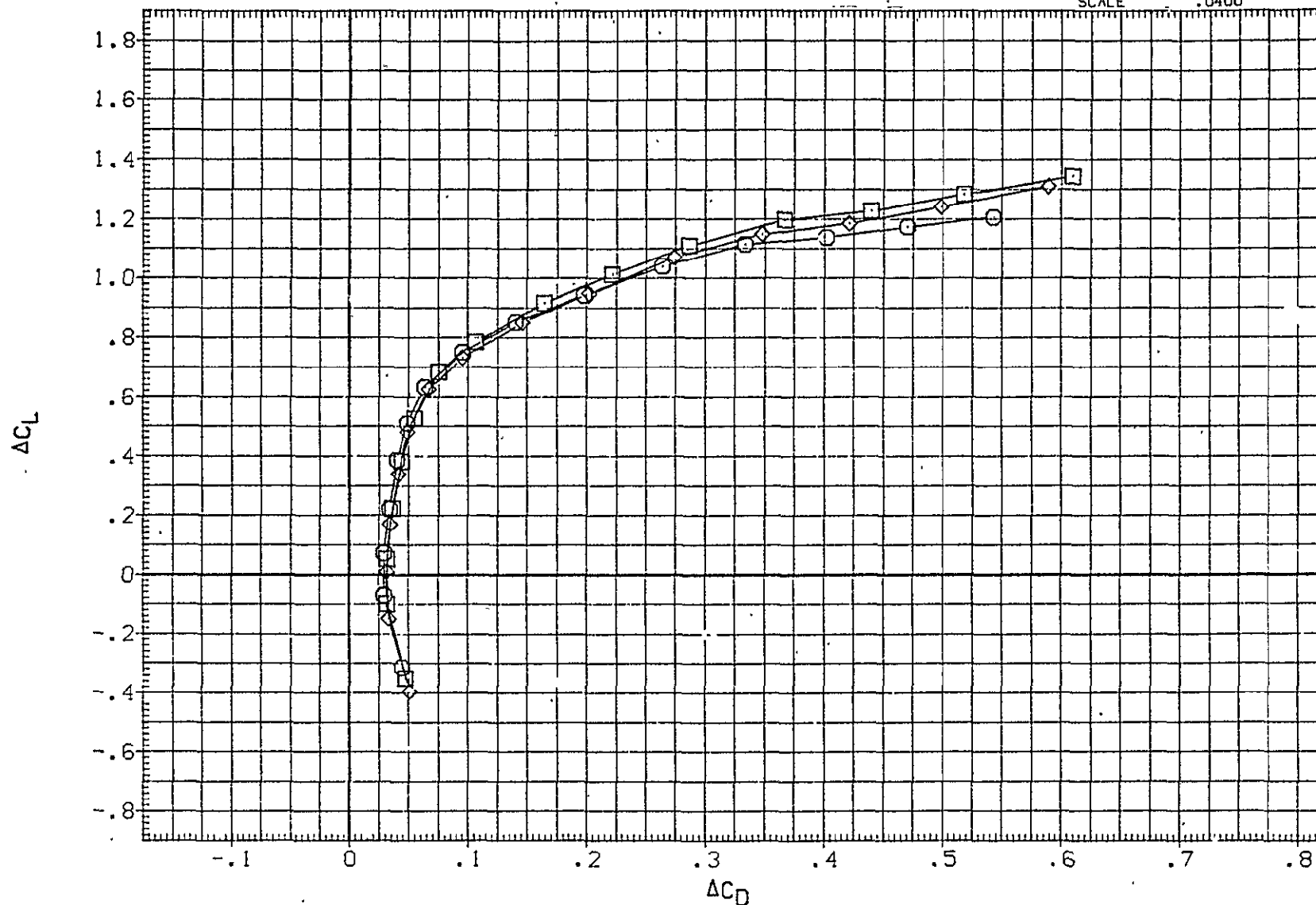


FIG 146 ALT CONFIG. STABILIZER EFFECTIVENESS. FLAPS UP, IORB=6, TC OFF, ELEV=0
 CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), ALPHA SWEEPS
 (A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(UJF105)	○	(CA-8) K2V9.1.2TS5F30G5.3.5TS401
(UJF108)	□	(CA-8) K3V9.1.2TS5H15.6.1F10TS402
(UJF107)	◇	(CA-8) K3V9.1.2TS5H15.6.1F10TS402
(UJF106)	△	(CA-8) K3V9.1.2TS5H15.6.1F10TS402

ELEVTR	STAB	BDFLAP	BETA	REFERENCE INFORMATION		
.000	2.000	.000	.000	SREF	5500.0000	SQ.FT.
.000	.000	.000	.000	LREF	327.8000	IN.
.000	-2.000	.000	.000	BREF	2348.0000	IN.
				XMRP	1339.9100	IN. XC
				YMRP	.0000	IN. YC
				ZMRP	190.7500	IN. ZC
				SCALE	.0400	

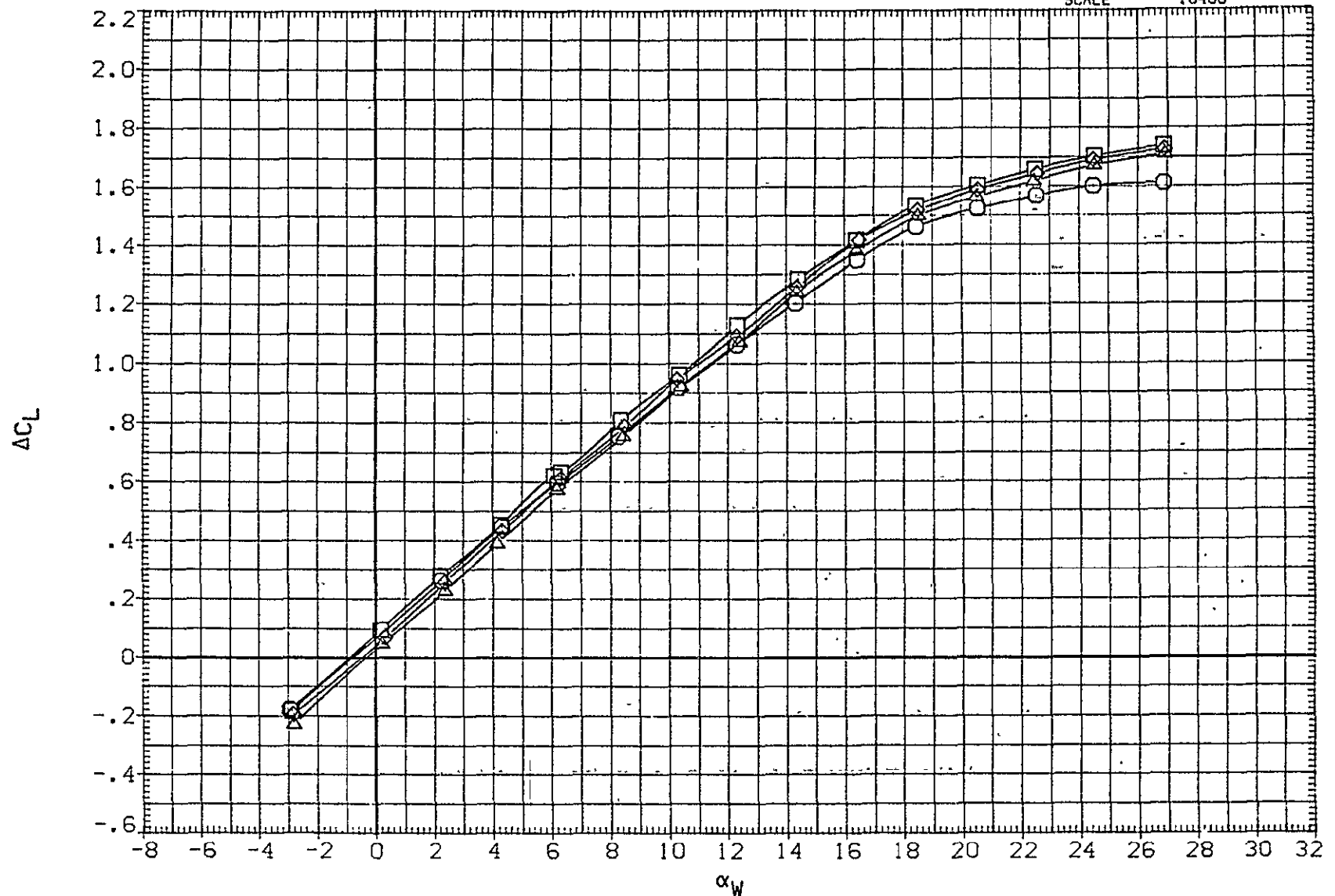


FIG 147 ALT CONFIG. STABILIZER EFFECTIVENESS, FLAPS 10, IORB=6, TC OFF, ELEV=-5
 CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), ALPHA SWEEPS
 (A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BFTA	REFERENCE INFORMATION	
(UJF105)	○	(CA-8) K2V9.1.2TS5F30G5.3.5TS401			.000	.000	SREF	5500.0000 SQ.FT.
(UJF108)	□	(CA-8) K3V9.1.2TS5H15.6.1F10TS402	.000	2.000	.000	.000	LREF	327.8000 IN.
(UJF107)	◇	(CA-8) K3V9.1.2TS5H15.6.1F10TS402	.000	.000	.000	.000	BREF	2348.0000 IN.
(UJF106)	△	(CA-8) K3V9.1.2TS5H15.6.1F10TS402	.000	-2.000	.000	.000	XMRP	1339.9100 IN.XC
							YMRP	.0000 IN.YC
							ZMRP	190.7500 IN.ZC
							SCALE	.0400

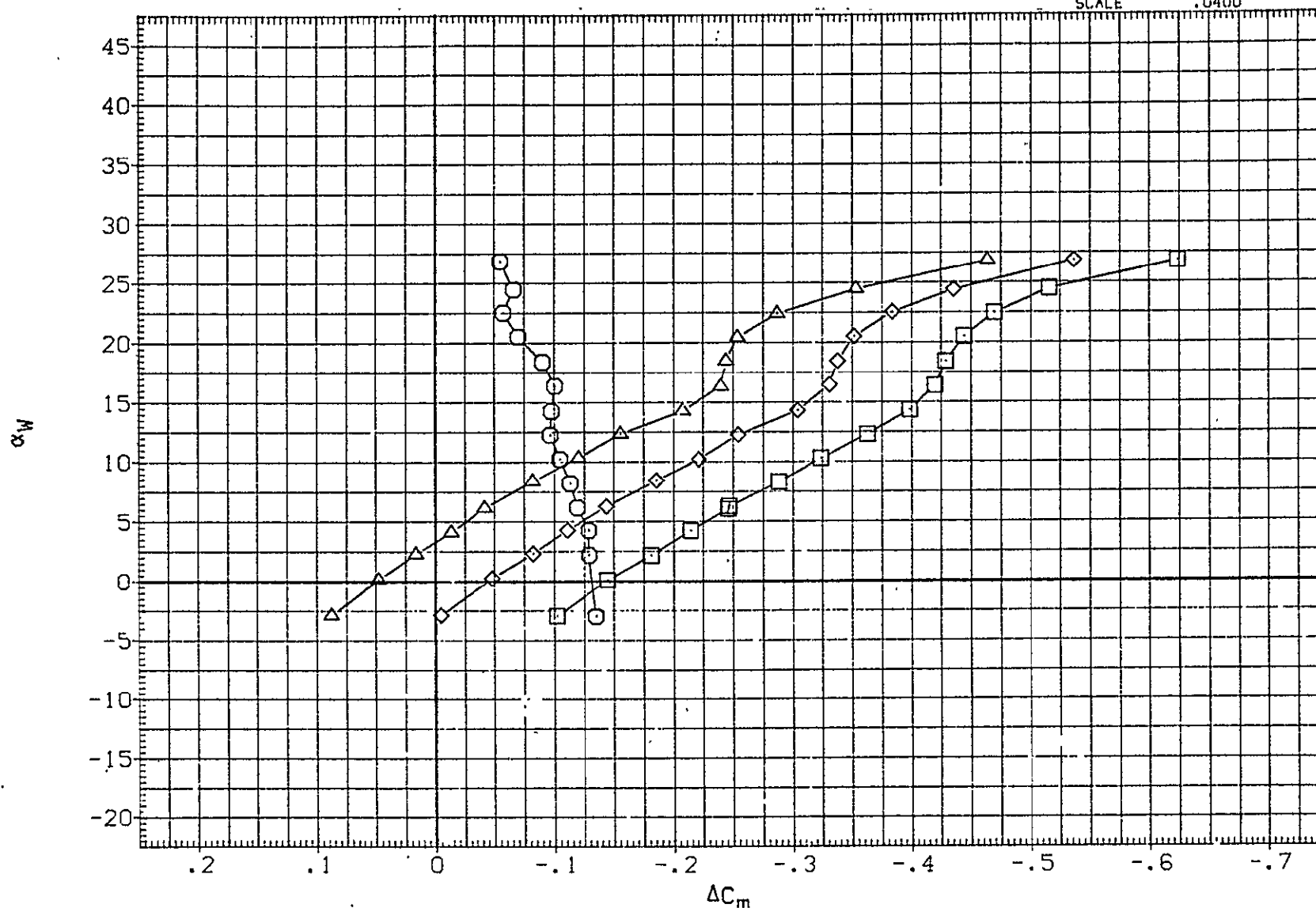


FIG 147 ALT CONFIG. STABILIZER EFFECTIVENESS, FLAPS 10, IORB=6, TC OFF, ELEV=-5
 CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), ALPHA SWEEPS
 (A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(UJF105)	○	(CA-8) K2V9.1.2TS5F30G5.3.5TS401
(UJF108)	□	(CA-8) K3V9.1.2TS5H15.6.1F10TS402
(UJF107)	◇	(CA-8) K3V9.1.2TS5H15.6.1F10TS402
(UJF106)	△	(CA-8) K3V9.1.2TS5H15.6.1F10TS402

ELEVTR	STAB	BDFLAP	BETA	REFERENCE INFORMATION		
.000	2.000	.000	.000	SREF	5500.0000	SQ.FT.
.000	.000	.000	.000	LREF	327.8000	IN.
.000	.000	.000	.000	BREF	2348.0000	IN.
.000	-2.000	.000	.000	XMRP	1339.9100	IN.XC
				YMRP	.0000	IN.YC
				ZMRP	190.7500	IN.ZC
				SCALE	.0400	

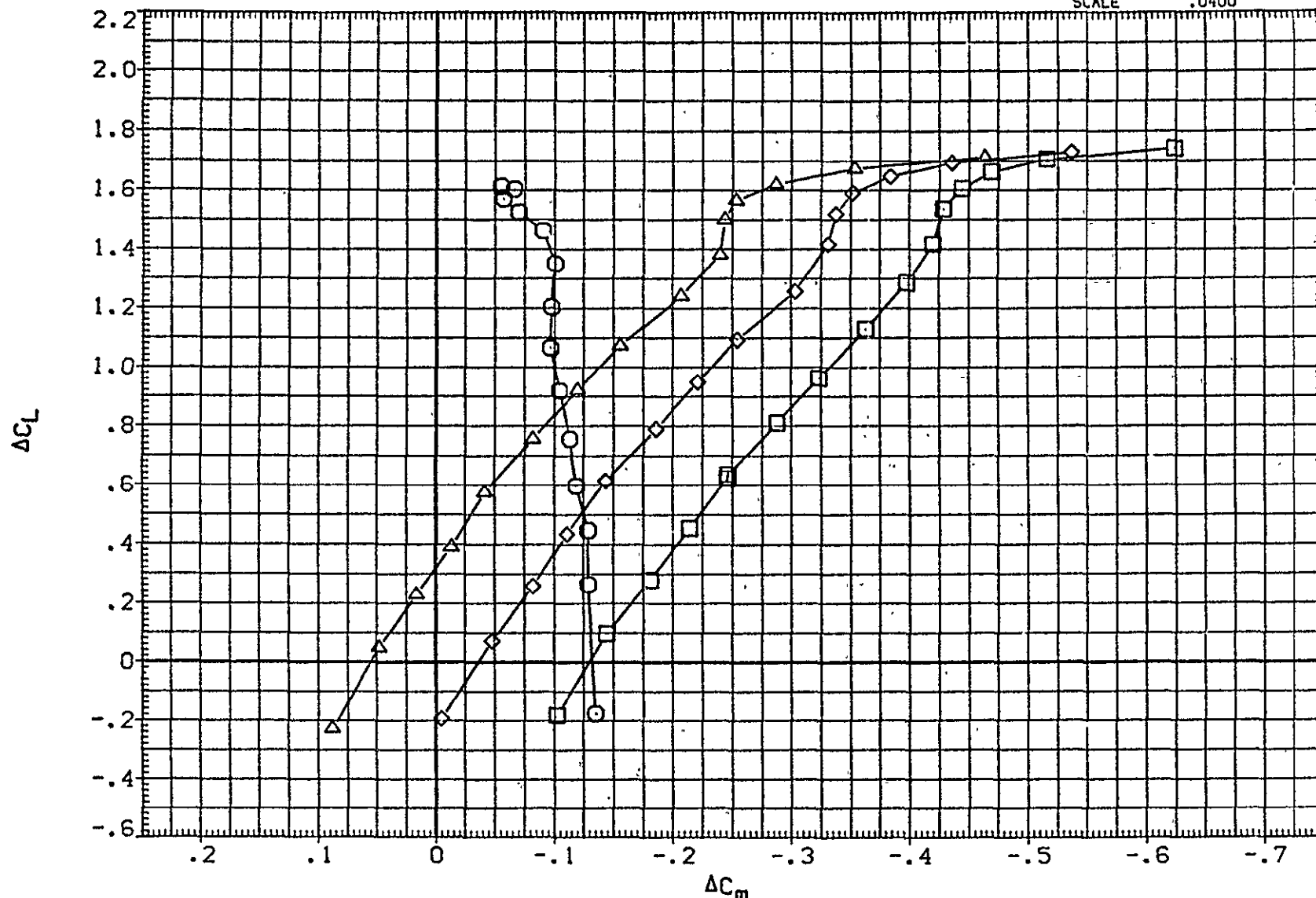


FIG 147 ALT CONFIG. STABILIZER EFFECTIVENESS. FLAPS 10, IORB=6.TC OFF, ELEV=-5
CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), ALPHA SWEEPS

(A)MACH = .15

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DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(UJF105)	○	(CA-8) K2V9.1.2TS5F30G5.3.5TS401
(UJF108)	□	(CA-8) K3V9.1.2TS5H15.6.1F10TS402
(UJF107)	×	(CA-8) K3V9.1.2TS5H15.6.1F10TS402
(UJF106)	△	(CA-8) K3V9.1.2TS5H15.6.1F10TS402

ELEVTR	STAB	BDFLAP	BETA	REFERENCE INFORMATION		
		.000	.000	SREF	5500.0000	SQ.FT.
.000	2.000	.000	.000	LREF	327.8000	IN.
.000	.000	.000	.000	BREF	2348.0000	IN.
.000	-2.000	.000	.000	XMRP	1339.9100	IN.XC
				YMRP	.0000	IN.YC
				ZMRP	190.7500	IN.ZC
				SCALE	.0400	

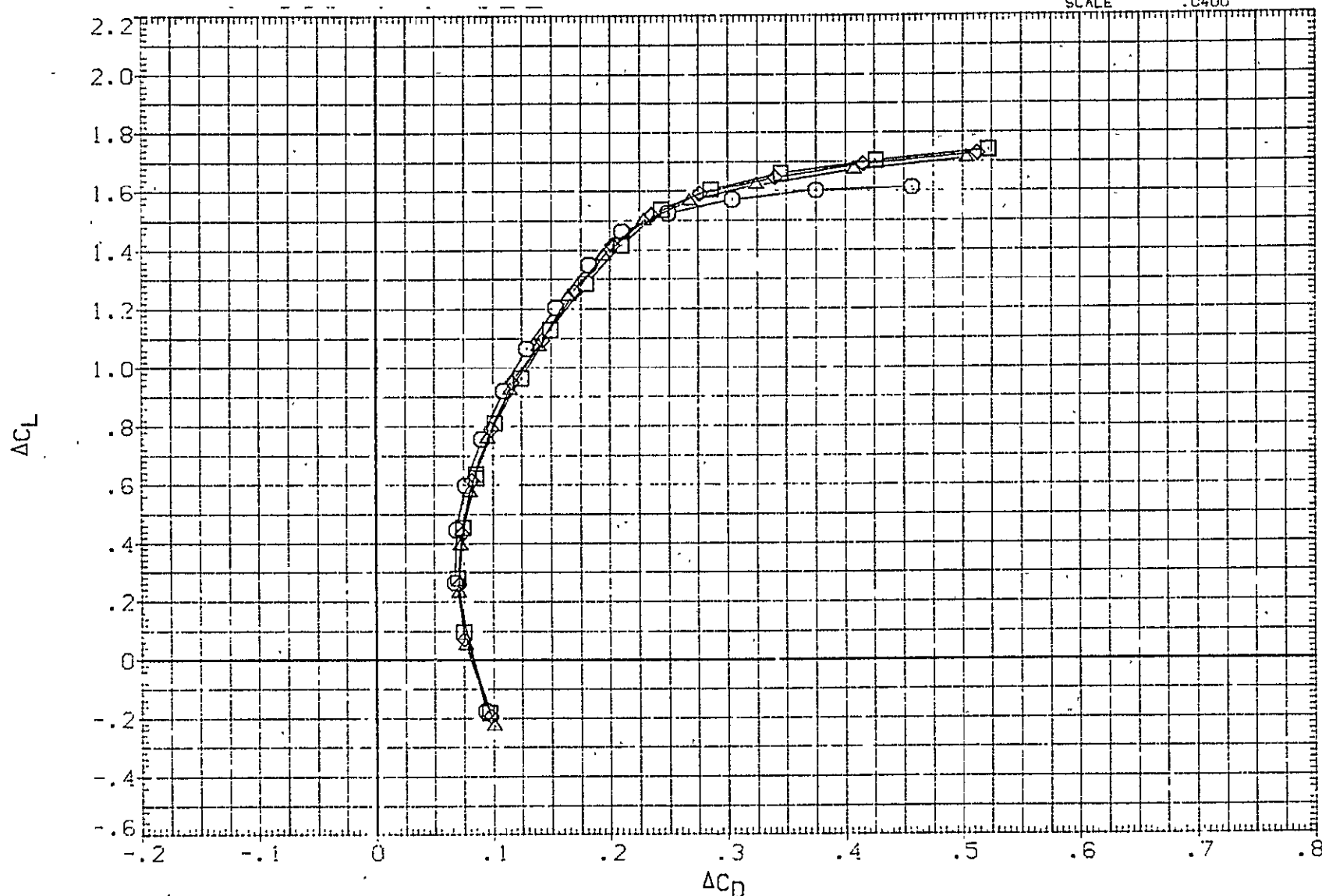


FIG 147 ALT CONFIG. STABILIZER EFFECTIVENESS, FLAPS 10, IORB=6, TC OFF, ELEV=-5
CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), ALPHA SWEEPS

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(UJF104)	○	(CA-8) K3V9.1.2TS5H15.6.1F10TS402
(UJF106)	□	(CA-8) K3V9.1.2TS5H15.6.1F10TS402
(UJF103)	◇	(CA-8) K3V9.1.2TS5H15.6.1F10TS402

ELEVTR	STAB	BDFLAP	BETA
17.000	-2.000	.000	.000
.000	-2.000	.000	.000
-23.000	-2.000	.000	.000

REFERENCE INFORMATION		
SREF	5500.0000	SQ.FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMRP	1339.9100	IN.XC
YMRP	.0000	IN.YC
ZMRP	190.7500	IN.ZC
SCALE	.0400	

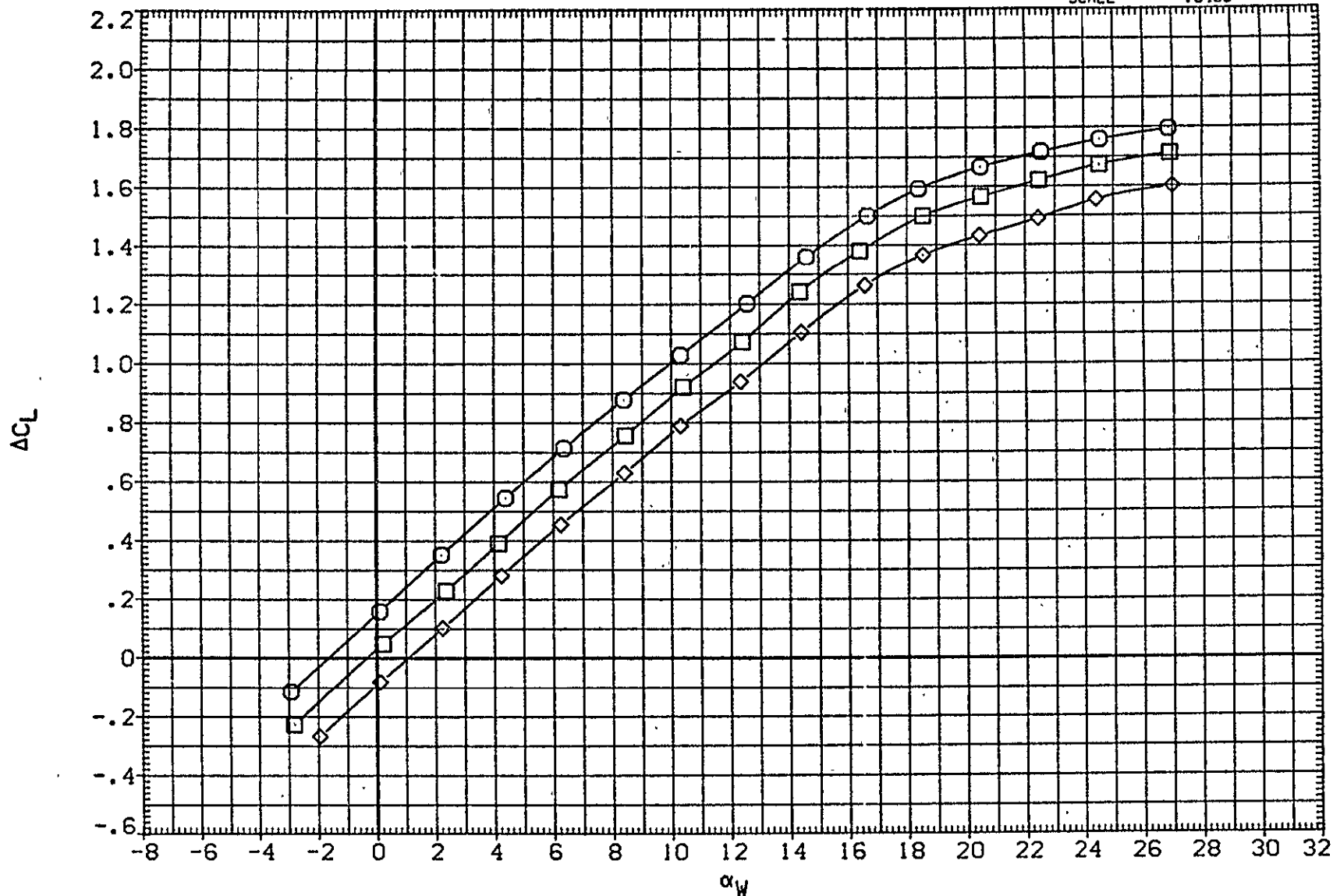


FIG 148 ALT CONFIG. ELEVATOR EFFECTIVENESS, FLAPS 10, IORB=6, TC OFF, ELEV=-5
 CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), ALPHA SWEEPS
 (A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BETA	REFERENCE INFORMATION	
(UJF104)	□	(CA-8) K3V9.1.2TS5H15.6.1FIOTS402	17.000	-2.000	.000	.000	SREF	5500.0000 SQ.FT.
(UJF106)	□	(CA-8) K3V9.1.2TS5H15.6.1FIOTS402	.000	-2.000	.000	.000	LREF	327.8000 IN.
(UJF103)	◇	(CA-8) K3V9.1.2TS5H15.6.1FIOTS402	-23.000	-2.000	.000	.000	BREF	2348.0000 IN.
							XMPP	1339.9100 IN.XC
							YMPP	.0000 IN.YC
							ZMPP	190.7500 IN.ZC
							SCALE	.0400

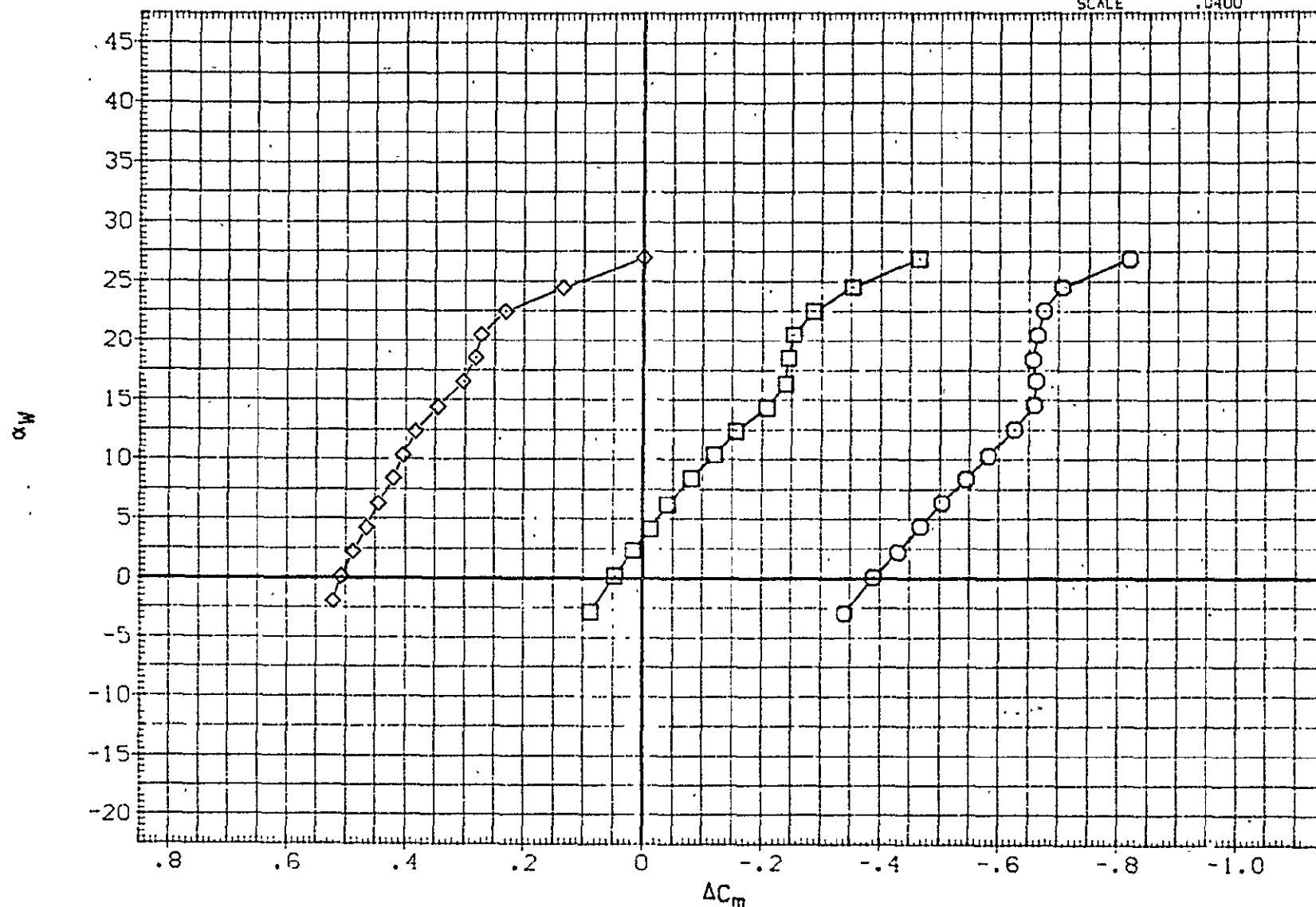


FIG 148 ALT CONFIG. ELEVATOR EFFECTIVENESS. FLAPS 10. IORB=6.TC OFF. ELEV=-5
 CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE). ALPHA SWEEPS
 (A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(UJF104)	○	(CA-8) K3V9.1.2TS5H15.6.1F10TS402
(UJF106)	□	(CA-8) K3V9.1.2TS5H15.6.1F10TS402
(UJF103)	◇	(CA-8) K3V9.1.2TS5H15.6.1F10TS402

ELEVTR	STAB	BDFLAP	BETA
17.000	-2.000	.000	.000
.000	-2.000	.000	.000
-23.000	-2.000	.000	.000

REFERENCE INFORMATION		
SREF	5500.0000	SG.FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMHP	1339.9100	IN. XC
YMHP	.0000	IN. YC
ZMHP	190.7500	IN. ZC
SCALE	.0400	

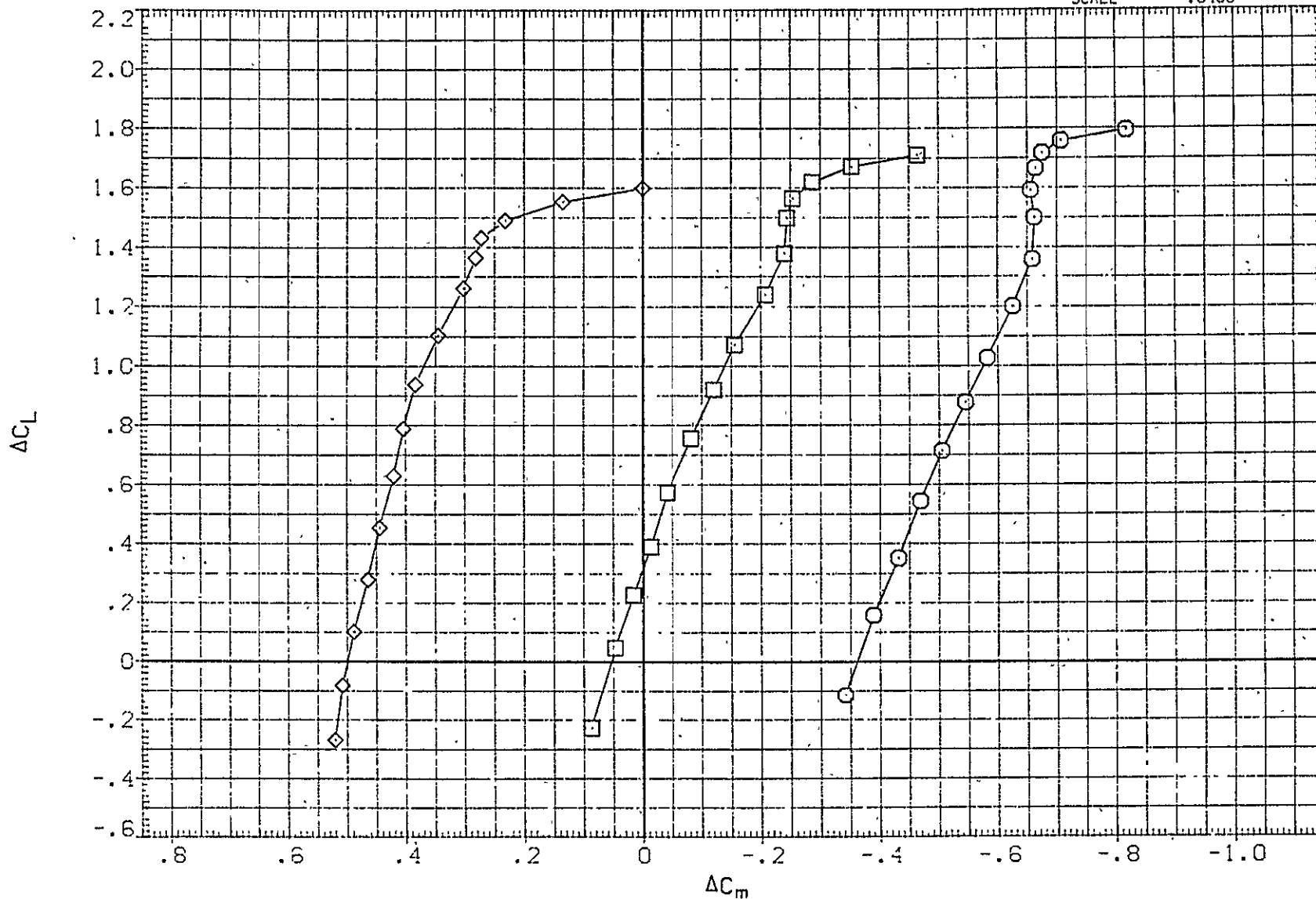


FIG 148 ALT CONFIG. ELEVATOR EFFECTIVENESS, FLAPS 10, IORB=6, TC OFF, ELEV=-5
CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), ALPHA SWEEPS

(A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BFTA	REFERENCE INFORMATION	
(UJF104)	○	(CA-8) K3V9.1.2TS5H15.6.1FI0TS402	17.000	-2.000	.000	.000	SREF	5500.0000 SQ.FT.
(UJF106)	□	(CA-8) K3V9.1.2TS5H15.6.1FI0TS402	.000	-2.000	.000	.000	LREF	327.8000 IN.
(UJF103)	◇	(CA-8) K3V9.1.2TS5H15.6.1FI0TS402	-23.000	-2.000	.000	.000	BREF	2348.0000 IN.
							XMPP	1339.9100 IN. XC
							YMPP	.0000 IN. YC
							ZMPP	190.7500 IN. ZC
							SCALE	.5400

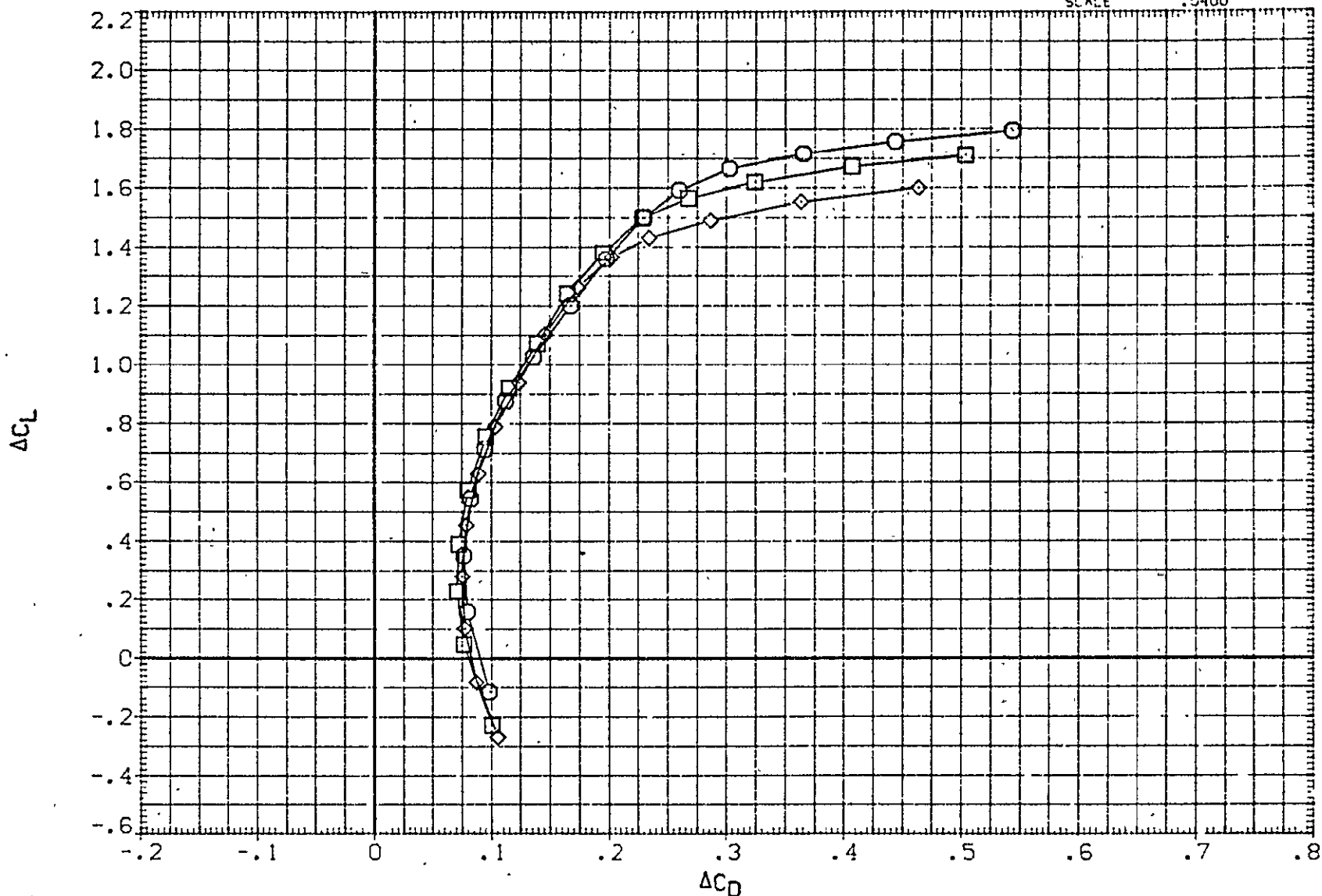


FIG 148 ALT CONFIG. ELEVATOR EFFECTIVENESS, FLAPS 10, IORB=6, TC OFF, ELEV=-5
 CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), ALPHA SWEEPS
 (A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(UJF109)	○	(CA-8) K3V9.1.2TS5H15.6.1F10TS40265.3.5
(UJF107)	□	(CA-8) K3V9.1.2TS5H15.6.1F10TS402

ELEVTR	STAB	BDFLAP	BFTA	REFERENCE INFORMATION	
.000	.000	.000	.000	SREF	5500.0000 SQ.FT.
.000	.000	.000	.000	LREF	327.8000 IN.
				BREF	2348.0000 IN.
				XMRP	1339.9100 IN.XC
				YMRP	.0000 IN.YC
				ZMRP	190.7500 IN.ZC
				SCALE	.0400

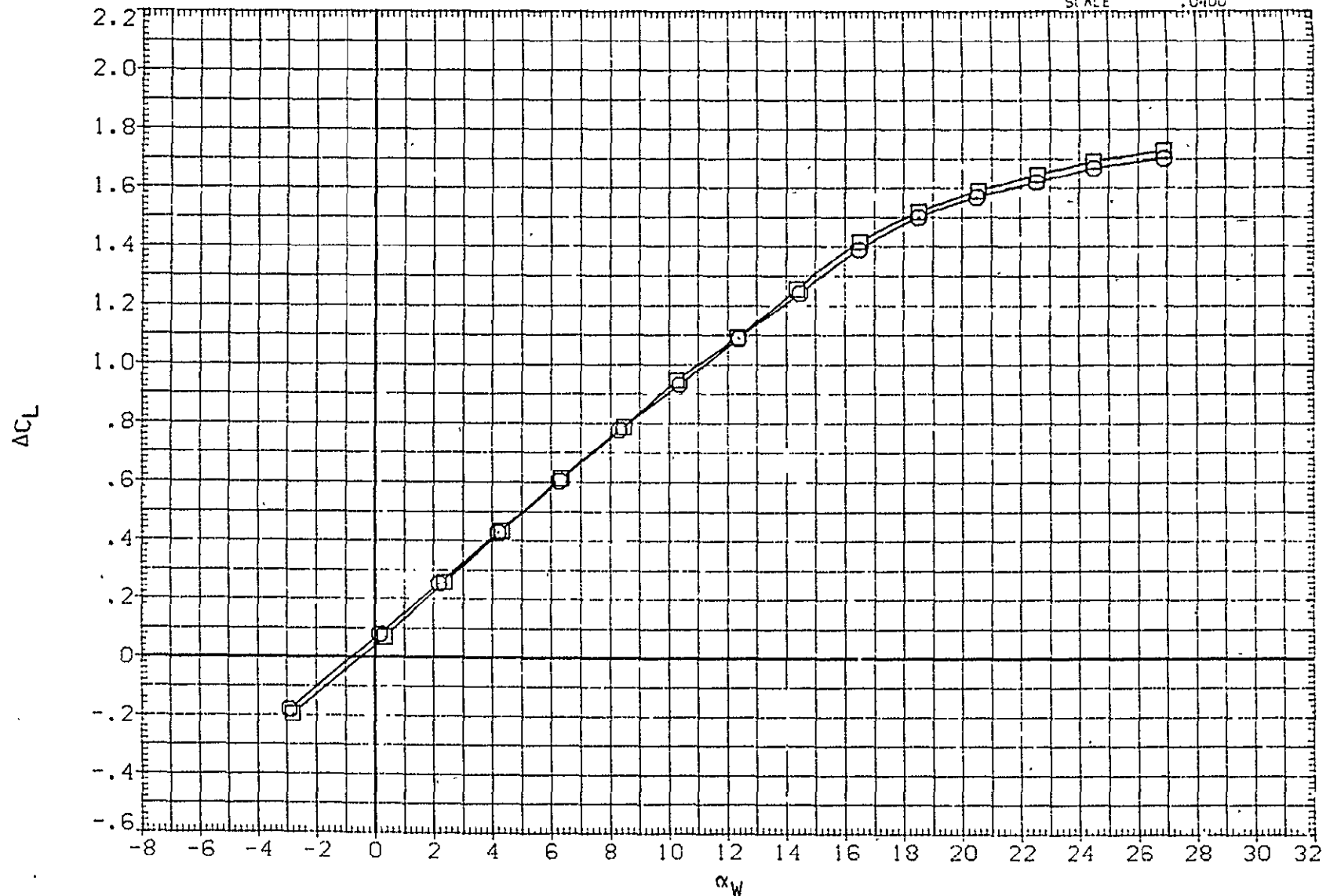


FIG 149 ALT CONFIG. EFFECT OF LANDING GEAR, FLAPS 10, 10RB=6, TC OFF, ELEV=-5
 CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), ALPHA SWEEPS
 (A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(UJF109)	○	(CA-8) K3V9.1.2TS5H15.6.1F10TS40265.3.5
(UJF107)	□	(CA-8) K3V9.1.2TS5H15.6.1F10TS402

ELEVTR	STAB	BDFLAP	BETA
.000	.000	.000	.000
.000	.000	.000	.000

REFERENCE INFORMATION		
SREF	5500.0000	50.FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMRP	1339.9100	IN.XC
YMRP	.0000	IN.YC
ZMRP	190.7500	IN.ZC
SCALE	.0400	

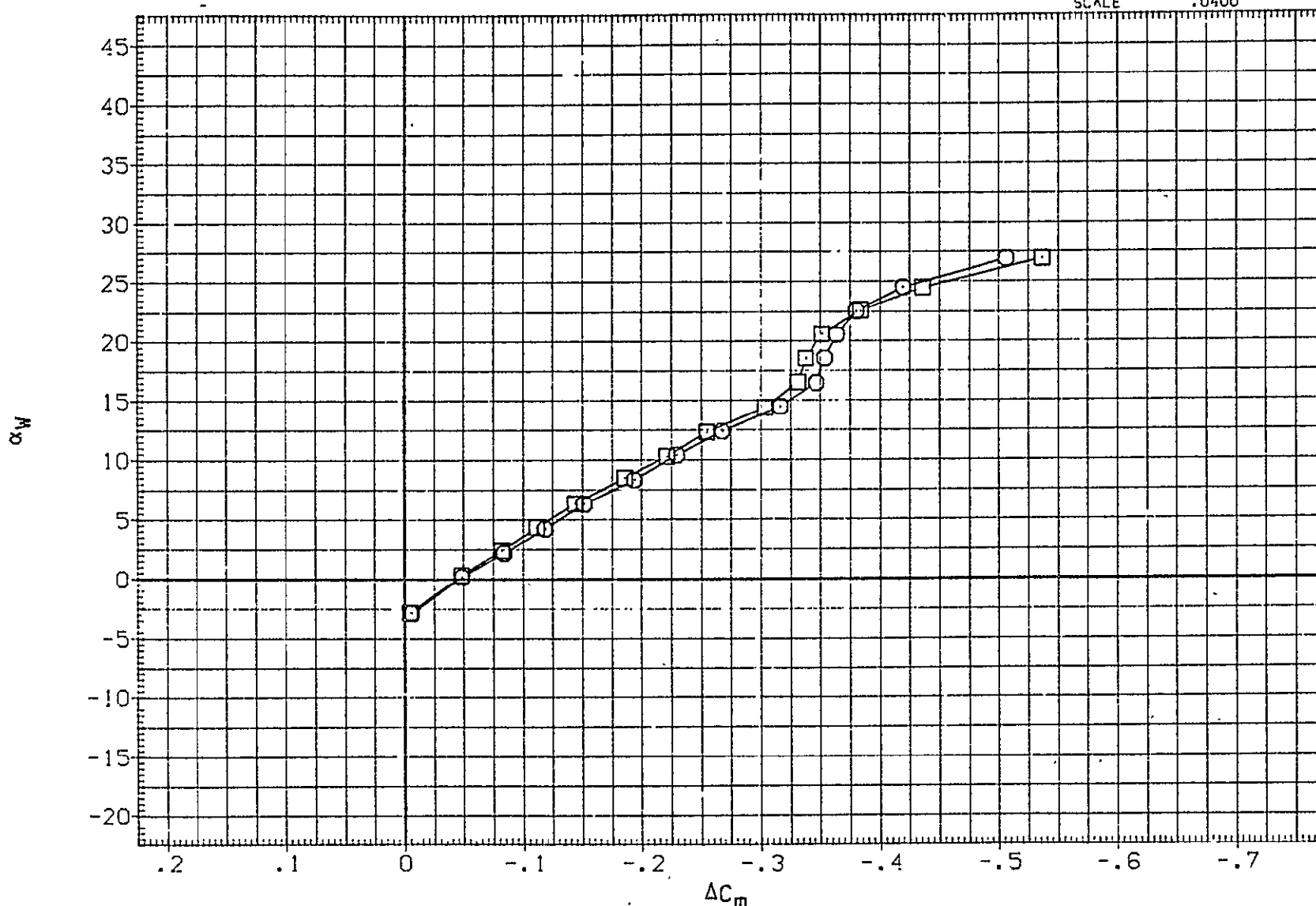


FIG 149 ALT CONFIG. EFFECT OF LANDING GEAR, FLAPS 10, IORB=6, TC OFF, ELEV=-5
CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(UJF109)	○	(CA-8) K3V9.1.2TS5H15.6.1F10TS40265.3.5
(UJF107)	□	(CA-8) K3V9.1.2TS5H15.6.1F10TS402

ELEVTR	STAB	BDFLAP	BETA	REFERENCE INFORMATION		
.000	.000	.000	.000	SREF	5500.0000	SQ.FT.
.000	.000	.000	.000	I REF	327.8000	IN.
				BREF	2348.0000	IN.
				XMRP	1339.9100	IN.XC
				YMRP	.0000	IN.YC
				ZMRP	190.7500	IN.ZC
				SCALE	.0400	

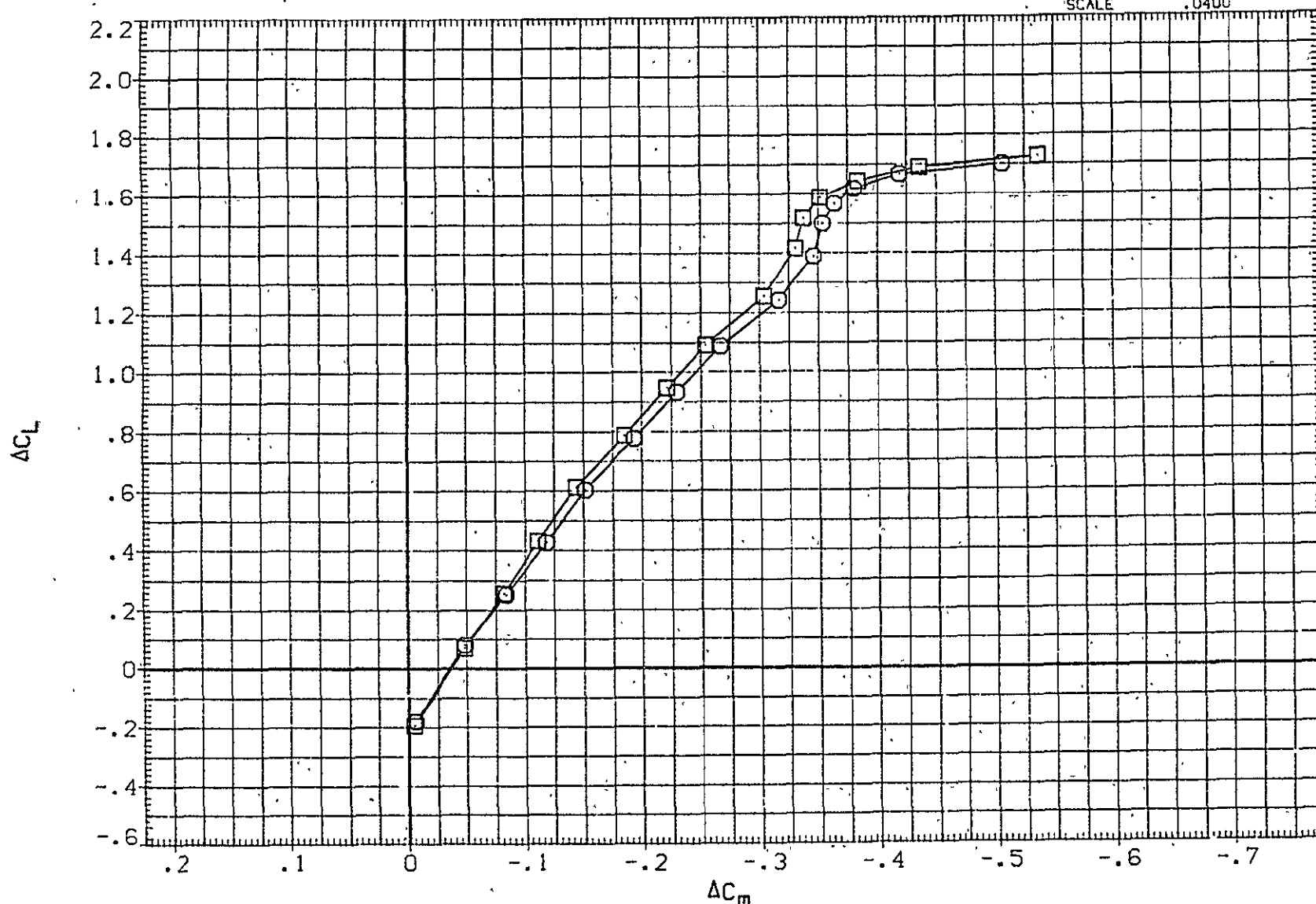


FIG 149 ALT CONFIG. EFFECT OF LANDING GEAR, FLAPS 10, IORB=6, TC OFF, ELEV=-5
 CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), ALPHA SWEEPS

(A) MACH = .15

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 ORIGINAL PAGE IS POOR

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(UJF109)	○	(CA-8) K3V9.1.2TS5H15.6.1F10TS402G5.3.5
(UJF107)	□	(CA-8) K3V9.1.2TS5H15.6.1F10TS402

ELEVTR	STAB	BDFLAP	BFTA
.000	.000	.000	.000
.000	.000	.000	.000

REFERENCE INFORMATION		
SREF	5500.0000	SQ.FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMRP	1339.9100	IN.XC
YMRP	.0000	IN.YC
ZMRP	190.7500	IN.ZC
SCALE	.0400	

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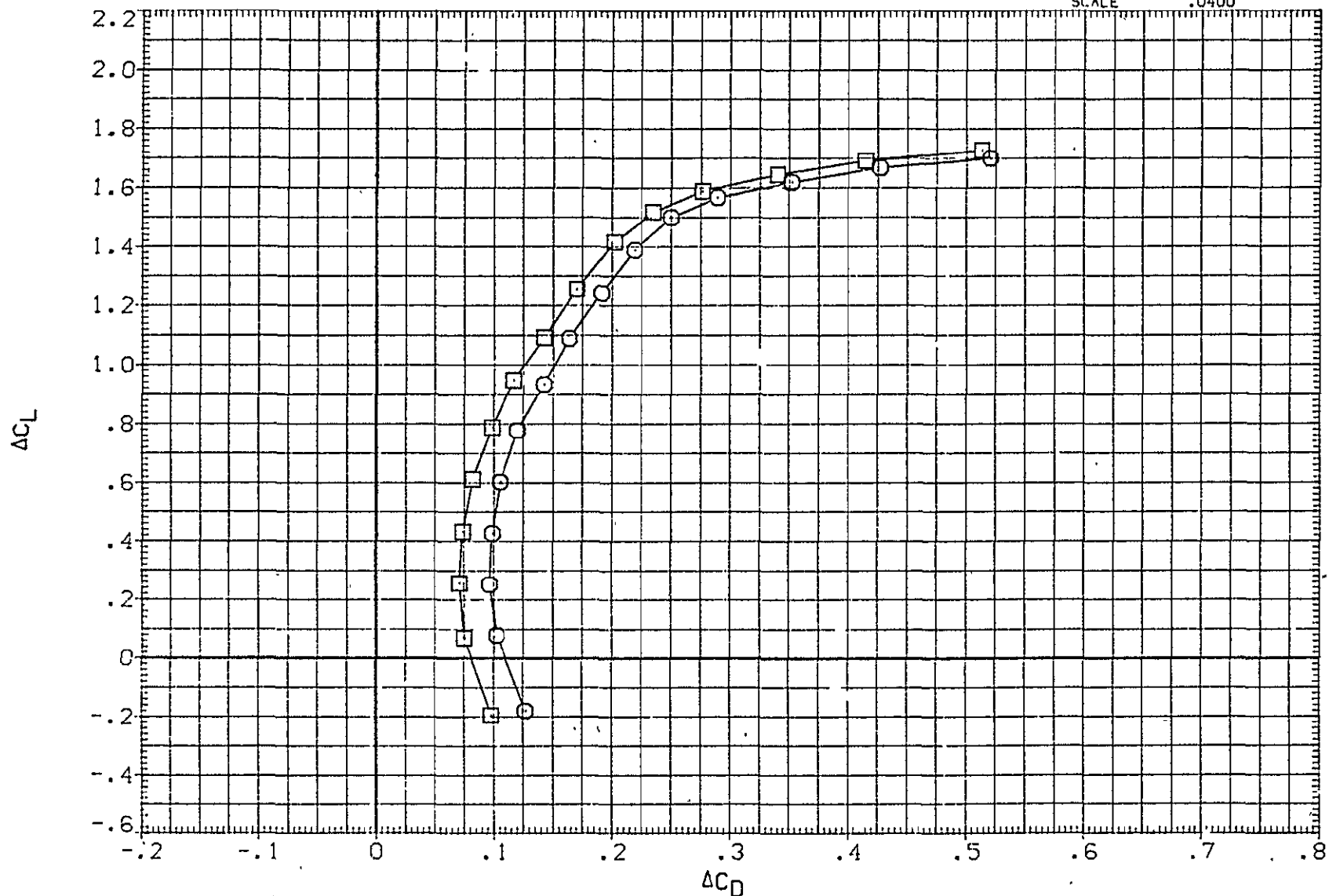


FIG 149 ALT CONFIG. EFFECT OF LANDING GEAR, FLAPS 10, IORB=6, TC OFF, ELEV=-5
CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
.UJF110)	○	(CA-8) K3V9.1.2TS5H15.6.1F10TS402SS
(UJF107)	□	(CA-8) K3V9.1.2TS5H15.6.1F10TS402

ELEVTR	STAB	BOFLAP	BFTA
.000	.000	.000	.000
.000	.000	.000	.000

REFERENCE INFORMATION		
SREF	5500.0000	SQ.FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMRP	1339.9100	IN.XC
YMRP	.0000	IN.YC
ZMRP	190.7500	IN.ZC
SCALE	.0400	

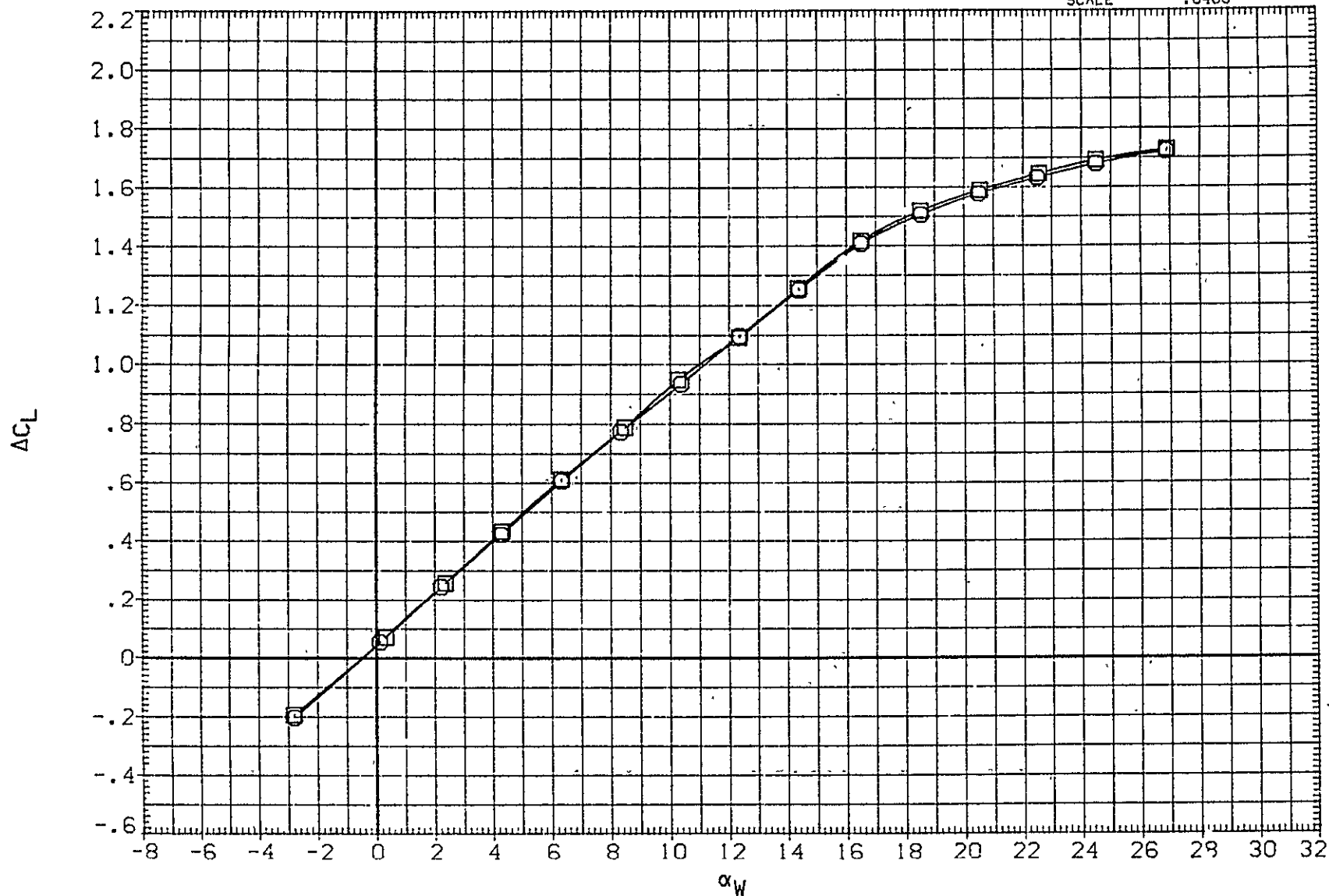


FIG 150 ALT CONFIG. EFFECT OF SUGAR SCOOPS. FLAPS 10. IORB=6, TC OFF, ELEV=-5
CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), ALPHA SWEEPS

(A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BETA	REFERENCE INFORMATION	
UJF110)	○	(CA-8) K3V9.1.2TS5H15.6.1FIOTS402SS	.000	.000	.000	.000	SREF	5500.0000 SQ.FT.
UJF107)	□	(CA-8) K3V9.1.2TS5H15.6.1FIOTS402	.000	.000	.000	.000	LREF	327.8000 IN.
							BREF	2348.0000 IN.
							XMRP	1339.9100 IN.XC
							YMRP	.0000 IN.YC
							ZMRP	190.7500 IN.ZC
							SCALE	.0400

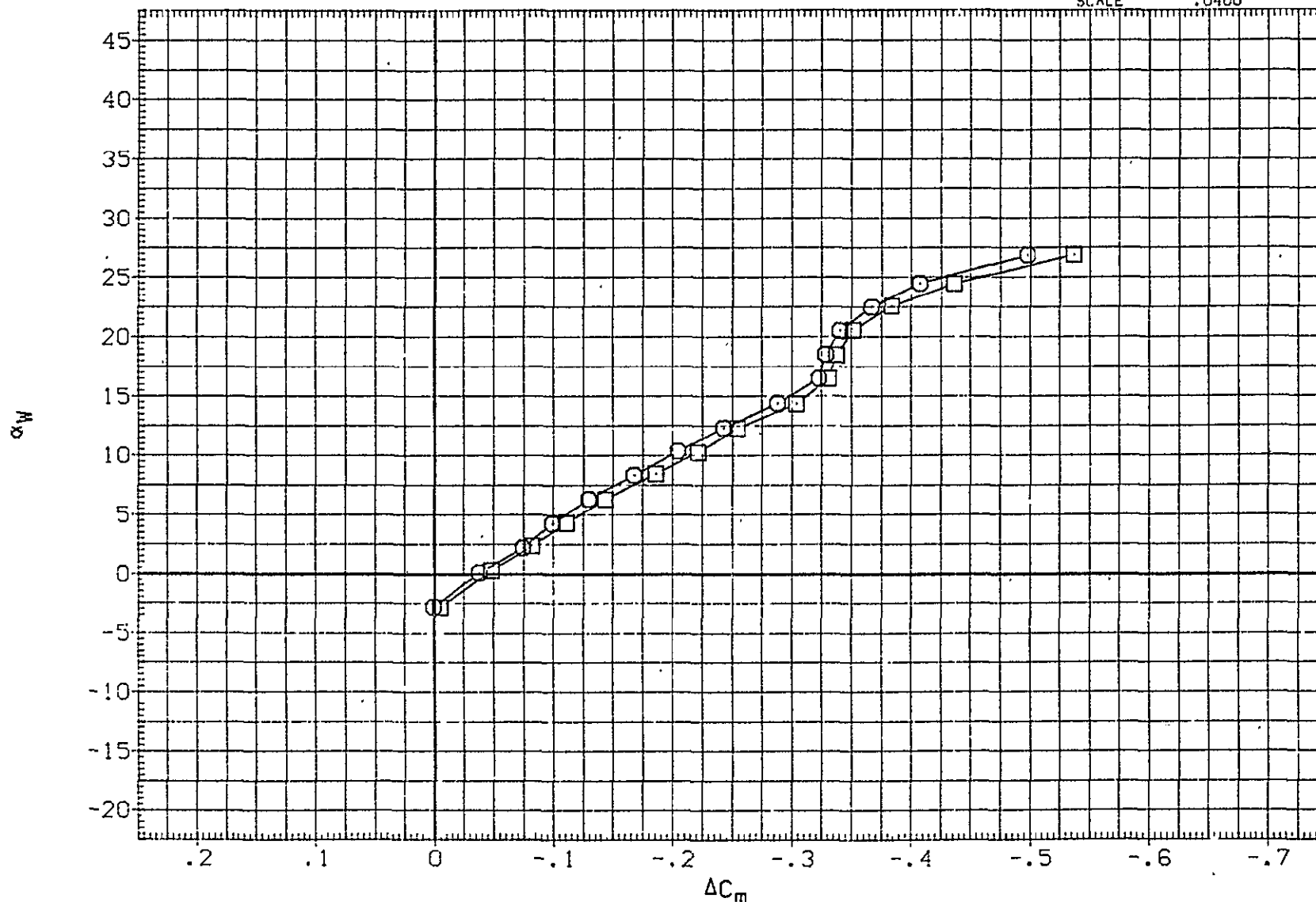


FIG 150 ALT CONFIG. EFFECT OF SUGAR SCOOPS. FLAPS 10, IORB=6, TC OFF, ELEV=-5
CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), ALPHA SWEEPS

A SET	SYMBOL	CONFIGURATION DESCRIPTION
IF110)	○	(CA-8) K3V9.1.2TS5H15.6.1F10TS402SS
IF107)	□	(CA-8) K3V9.1.2TS5H15.6.1F10TS402

ELEVTR	STAB	BDFLAP	BETA	REFERENCE INFORMATION
.000	.000	.000	.000	SREF 5500.0000 SQ.FT.
.000	.000	.000	.000	LREF 327.8000 IN.
				BREF 2348.0000 IN.
				XMRP 1339.9100 IN.XC
				YMRP .0000 IN.YC
				ZMRP 190.7500 IN.ZC
				SCALE .0400

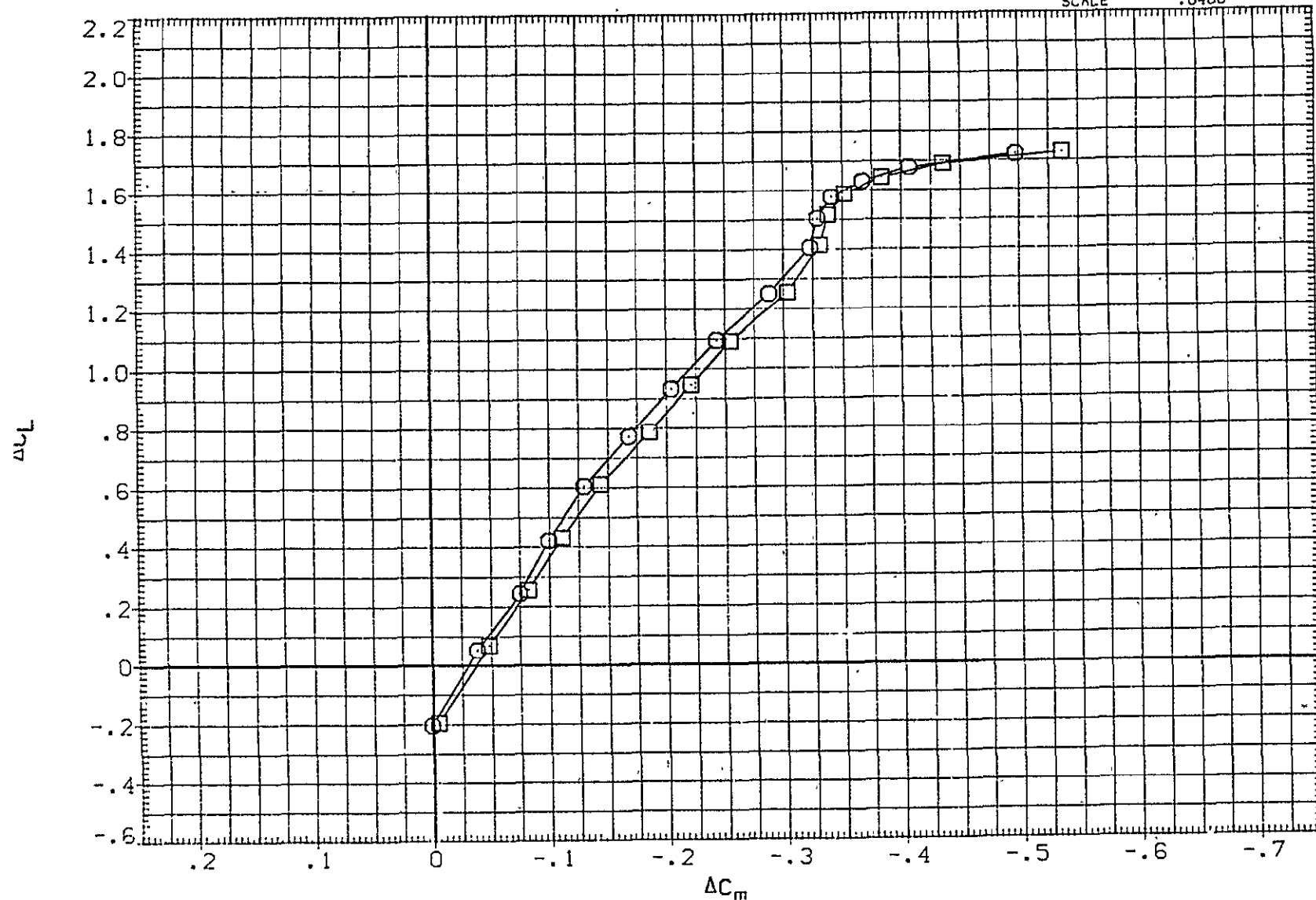


FIG 150 ALT CONFIG. EFFECT OF SUGAR SCOOPS. FLAPS 10. IORB=6.TC OFF, ELEV=-5
CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), ALPHA SWEEPS

()MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
UJF110)	○	(CA-8) K3V9.1.2TSSH15.6.1F10TS402SS
UJF107)	□	(CA-8) K3V9.1.2TSSH15.6.1F10TS402

ELEVTR	STAB	BDFLAP	BFTA
.000	.000	.000	.000
.000	.000	.000	.000

REFERENCE INFORMATION		
SREF	5500.0000	50.FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMRP	1339.9100	IN.XC
YMRP	.0000	IN.YC
ZMRP	190.7500	IN.ZC
SCALE	.0400	

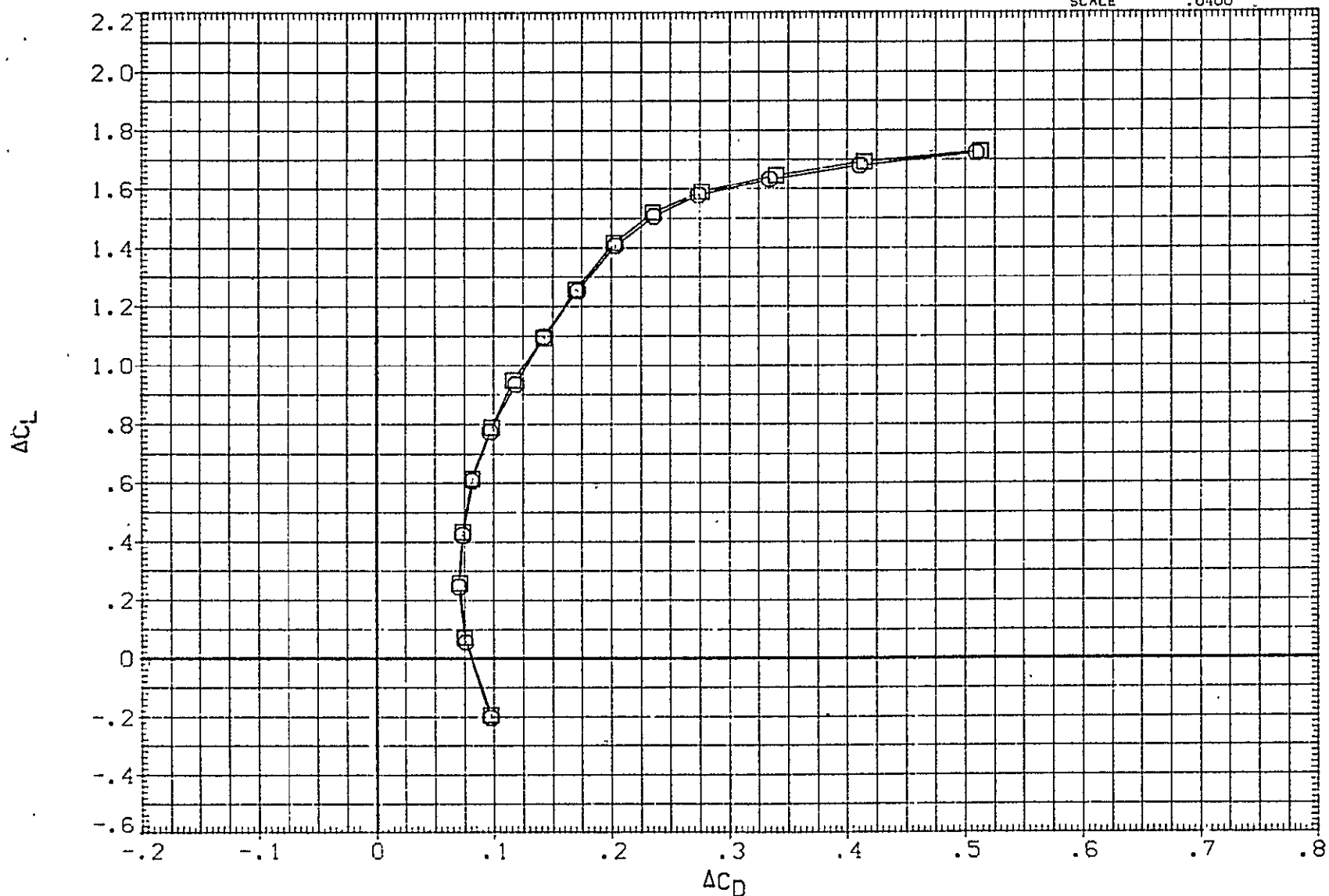


FIG 150 ALT CONFIG. EFFECT OF SUGAR SCOOPS, FLAPS 10, IORB=6, TC OFF, ELEV=-5
CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), ALPHA SWEEPS

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BETA	REFERENCE INFORMATION		
(UJF086)	○	(CA-8) K3V9.1.2TS5 F20TS402			.000	.000	SREF	5500.0000	50.FT.
(UJF081)	□	(CA-8) K3V9.1.2TS5H15.6.1F20TS402	.000	3.000	.000	.000	LREF	327.8000	IN.
(UJF080)	◇	(CA-8) K3V9.1.2TS5H15.6.1F20 TS402	.000	.000	.000	.000	BREF	2348.0000	IN.
(UJF079)	△	(CA-8) K3V9.1.2TS5H15.6.1F20 TS402	.000	-2.000	.000	.000	XMRP	1339.9100	IN.XC
(UJF078)	▽	(CA-8) K3V9.1.2TS5H15.6.1F20 TS402	.000	-4.000	.000	.000	YMRP	.0000	IN.YC
							ZMRP	190.7500	IN.ZC
							SCALE	.0400	

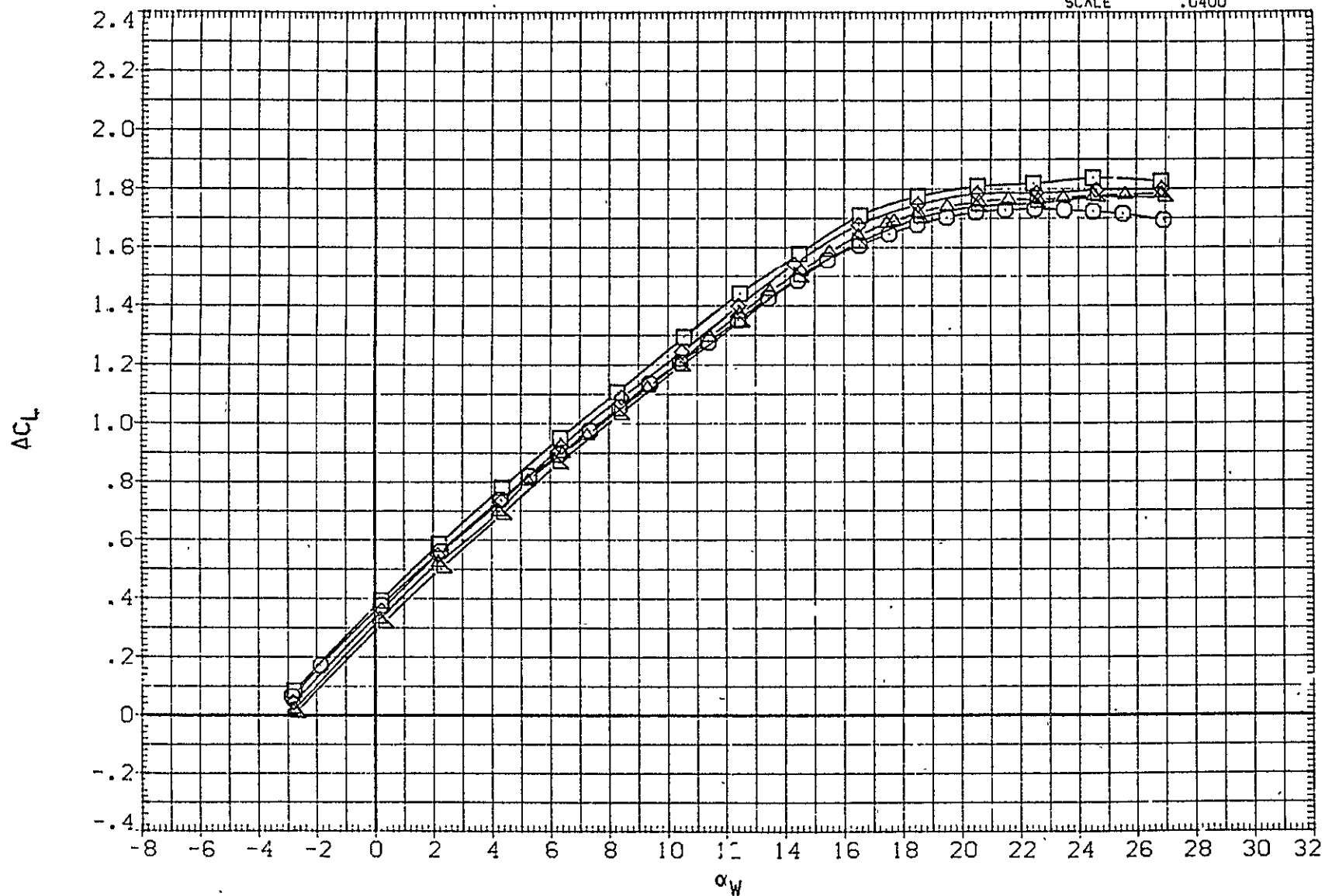


FIG 151 ALT CONFIG. STABILIZER EFFECTIVENESS, FLAPS 20, IORB=6, TC OFF, ELEV=-5
CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), ALPHA SWEEPS

(A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BETA	REFERENCE INFORMATION		
UJF086)	○	(CA-8) K3V9.1.2TS5 F20TS402			.000	.000	SREF	5500.0000	SQ.FT.
UJF081)	□	(CA-8) K3V9.1.2TS5H15.6.1F20TS402	.000	3.000	.000	.000	LREF	327.8000	IN.
UJF080)	△	(CA-8) K3V9.1.2TS5H15.6.1F20 TS402	.000	.000	.000	.000	BREF	2348.0000	IN.
UJF079)	◇	(CA-8) K3V9.1.2TS5H15.6.1F20 TS402	.000	-2.000	.000	.000	XMRP	1339.9100	IN.XC
UJF078)	▽	(CA-8) K3V9.1.2TS5H15.6.1F20 TS402	.000	-4.000	.000	.000	YMRP	.0000	IN.YC
							ZMRP	190.7500	IN.ZC
							SCALE	.0400	

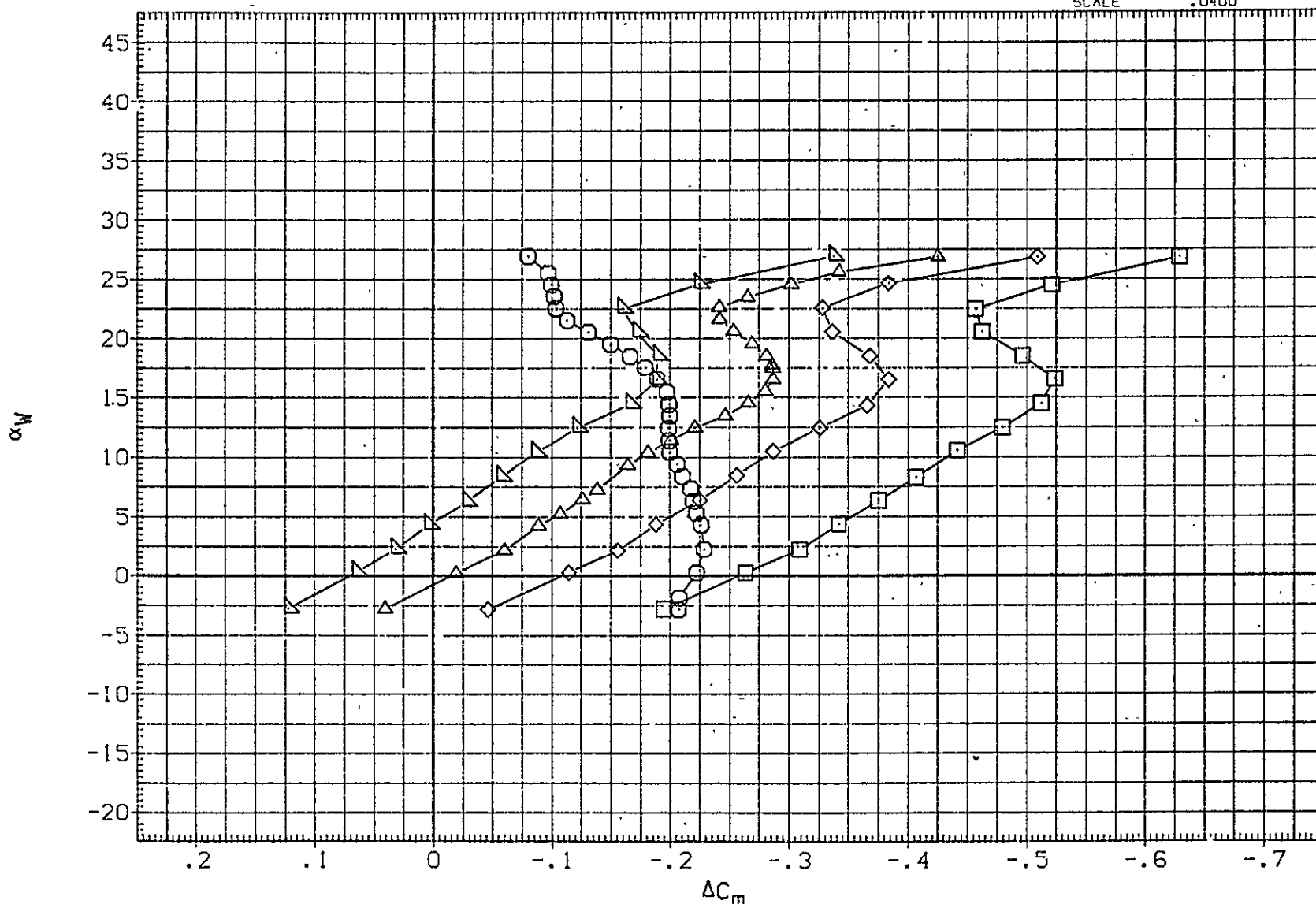


FIG 151 ALT CONFIG. STABILIZER EFFECTIVENESS, FLAPS 20, IOR8=6, TC OFF. ELEV=-5
CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), ALPHA SWEEPS

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAE	BDFLAP	BETA	REFERENCE INFORMATION		
(UJF086)	○	(CA-8) K3V9.1.2TS5 F20TS402			.000	.000	SREF	5500.0000	50.FT.
(UJF081)	◇	(CA-8) K3V9.1.2TS5H15.6.1F20TS402	.000	3.000	.000	.000	LREF	327.8000	IN.
(UJF080)	△	(CA-8) K3V9.1.2TS5H15.6.1F20 TS402	.000	.000	.000	.000	BREF	2348.0000	IN.
(UJF079)	▽	(CA-8) K3V9.1.2TS5H15.6.1F20 TS402	.000	-2.000	.000	.000	XMRP	1339.9100	IN.XC
(UJF078)	□	(CA-8) K3V9.1.2TS5H15.6.1F20 TS402	.000	-4.000	.000	.000	YMRP	.0000	IN.YC
							ZMRP	190.7500	IN.ZC
							SCALE	.0400	

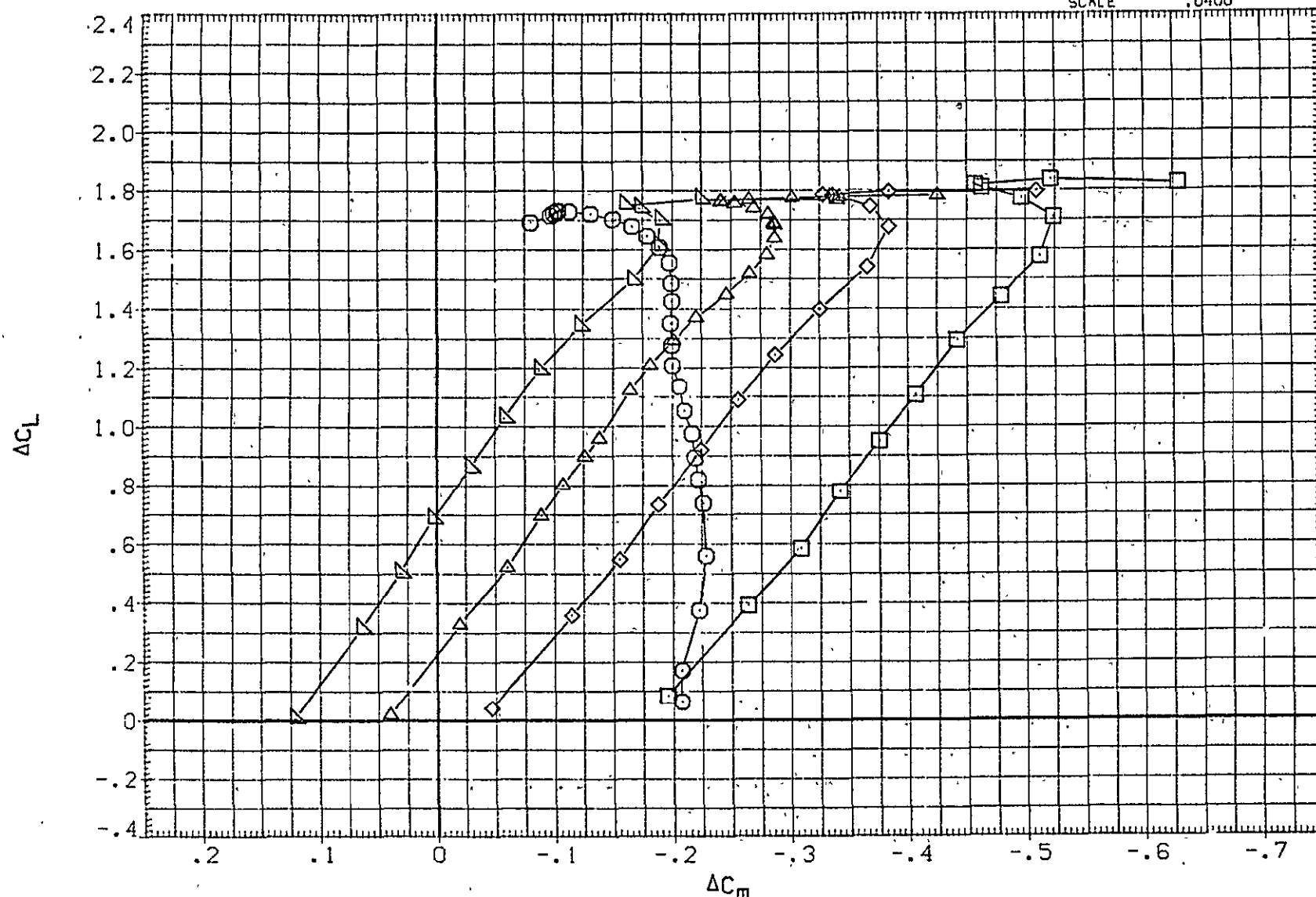


FIG 151 ALT CONFIG. STABILIZER EFFECTIVENESS, FLAPS 20, IORB=6, TC OFF, ELEV=-5
CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), ALPHA SWEEPS

(A) MACH = .15

ATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BOFLAP	BETA	REFERENCE INFORMATION		
UJF086)	□	(CA-8) K3V9.1.2TS5 F20TS402			.000	.000	SREF	5500.0000	SQ.FT.
UJF081)	○	(CA-8) K3V9.1.2TS5H15.6.1F20TS402	.000	3.000	.000	.000	LREF	327.8000	IN.
UJF080)	◇	(CA-8) K3V9.1.2TS5H15.6.1F20 TS402	.000	.000	.000	.000	BREF	2348.0000	IN.
UJF079)	△	(CA-8) K3V9.1.2TS5H15.6.1F20 TS402	.000	-2.000	.000	.000	XMRP	1339.9100	IN.XC
UJF078)	▽	(CA-8) K3V9.1.2TS5H15.6.1F20 TS402	.000	-4.000	.000	.000	YMRP	.0000	IN.YC
							ZMRP	190.7500	IN.ZC
							SCALE	.0400	

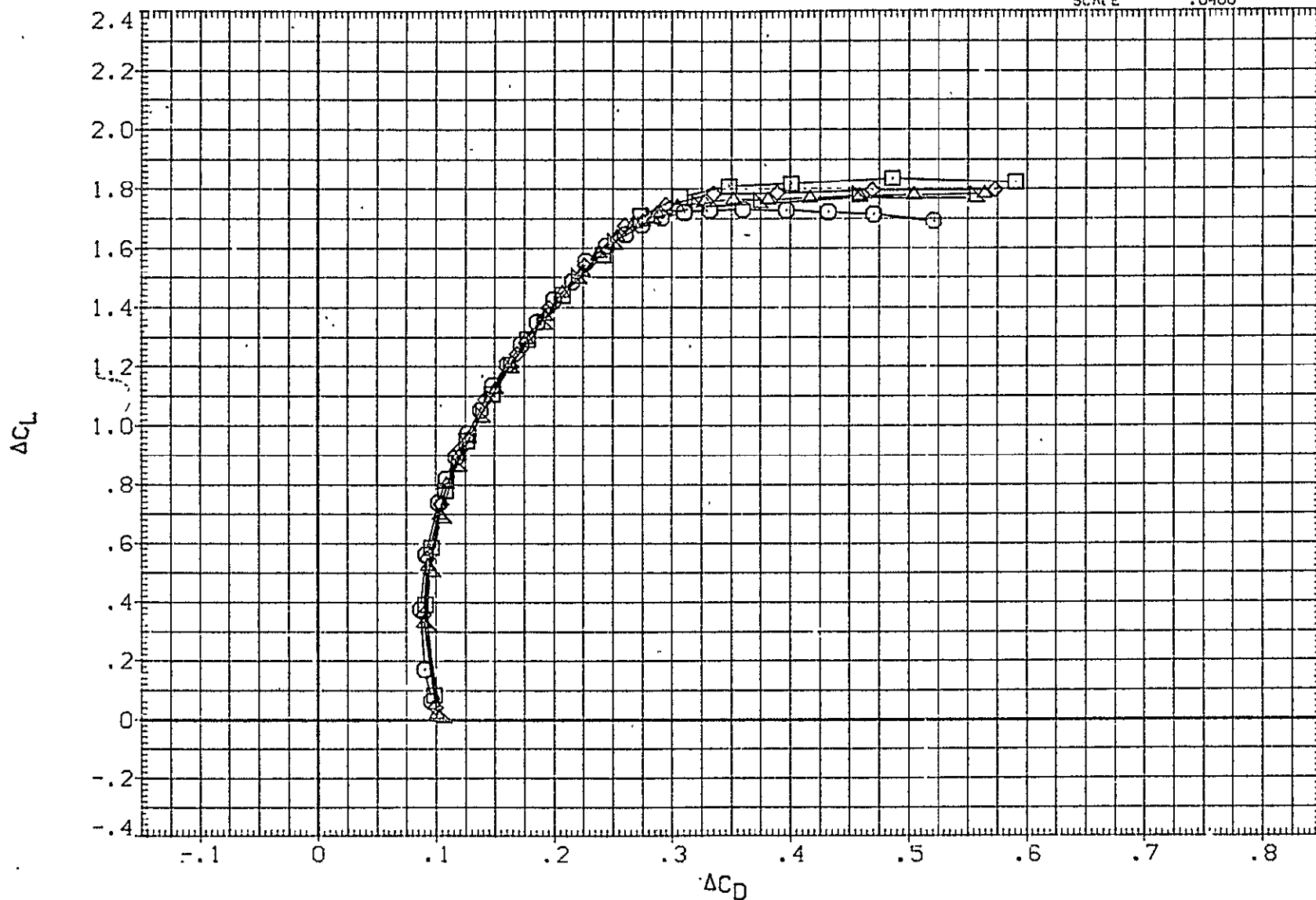


FIG 151 ALT CONFIG. STABILIZER EFFECTIVENESS, FLAPS 20, IORB=6, TC OFF, ELEV=-5
CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), ALPHA SWEEPS

A)MACH = .15

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DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(UJF077)	○	(CA-8) K3V9.1.2TSSH15.6.1F20G5.3.5TS402
(UJF079)	□	(CA-8) K3V9.1.2TSSH15.6.1F20 TS402

ELEVTR	STAB	BDFLAP	BETA
.000	-2.000	.000	.000
.000	-2.000	.000	.000

REFERENCE INFORMATION		
SREF	5500.0000	SQ.FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMRP	1339.9100	IN.XC
YMRP	.0000	IN.YC
ZMRP	190.7500	IN.ZC
SCALE	.0400	

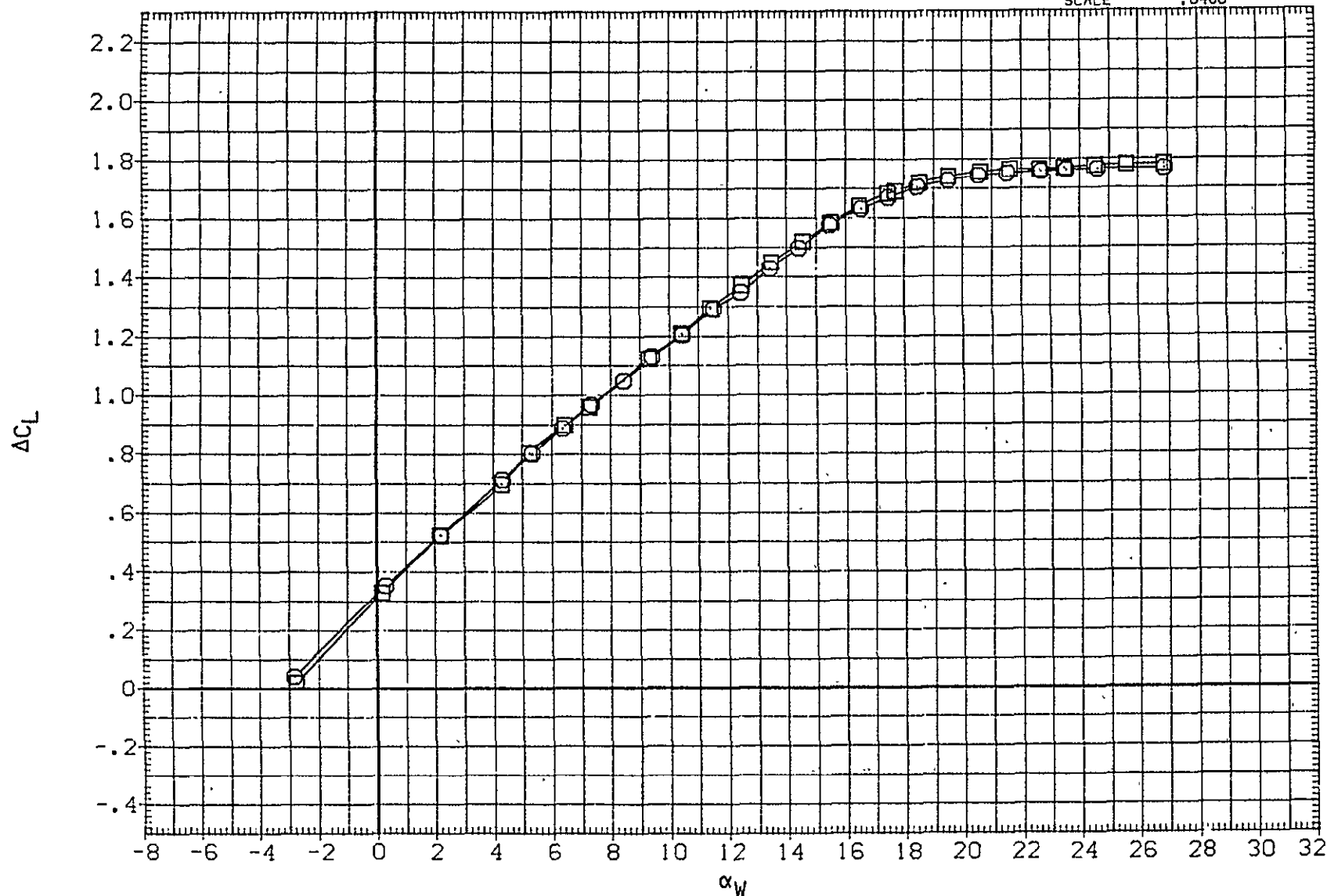


FIG 152 ALT CONFIG. EFFECT OF LANDING GEAR, FLAPS 20, IORB=6, TC OFF, ELEV=-5
CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), ALPHA SWEEPS

(A) MACH = .15

SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BETA	REFERENCE INFORMATION		
077)	○	(CA-8) K3V9.1.2TS5H15.6.1F20G5.3.5TS402	.000	-2.000	.000	.000	SREF	5500.0000	SQ.FT.
079)	□	(CA-8) K3V9.1.2TS5H15.6.1F20 TS402	.000	-2.000	.000	.000	LREF	327.8000	IN.
							BREF	2348.0000	IN.
							XMRP	1339.9100	IN.XC
							YMRP	.0000	IN.YC
							ZMRP	190.7500	IN.ZC
							SCALE	.0400	

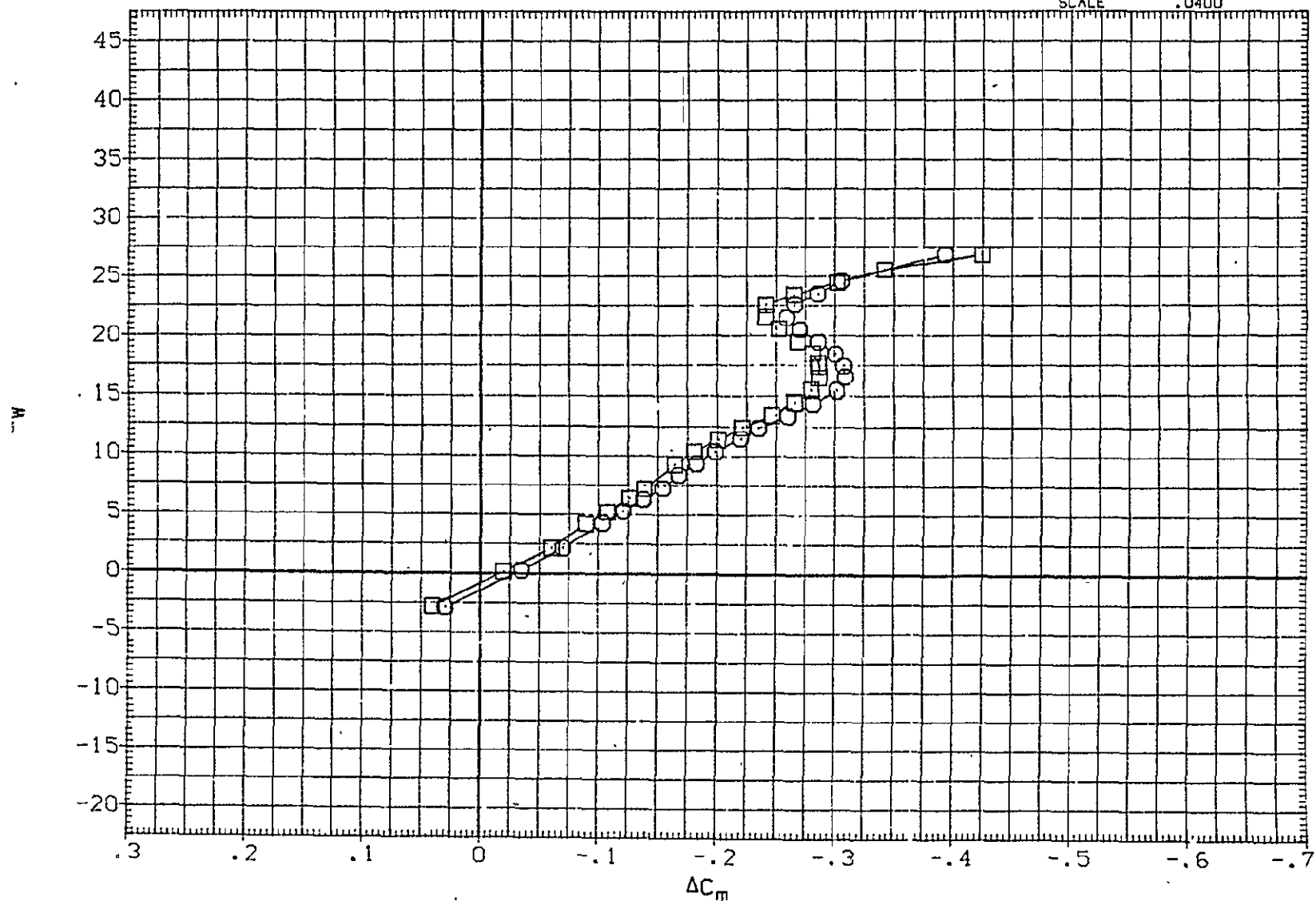


FIG 152 ALT CONFIG. EFFECT OF LANDING GEAR, FLAPS 20, IORB=6, TC OFF, ELEV=-5
CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), ALPHA SWEEPS

MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(UJF077)	○	(CA-8) K3V9.1.2TS5H15.6.1F20G5.3.5TS402
(UJF079)	□	(CA-8) K3V9.1.2TS5H15.6.1F20 TS402

ELEVTR	STAB	BDFLAP	BFTA
.000	-2.000	.000	.000
.000	-2.000	.000	.000

REFERENCE INFO		
SREF	5500.0000	IN.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMRP	1339.9100	IN.XC
YMRP	.0000	IN.YC
ZMRP	190.7500	IN.ZC
SCALE	.0400	

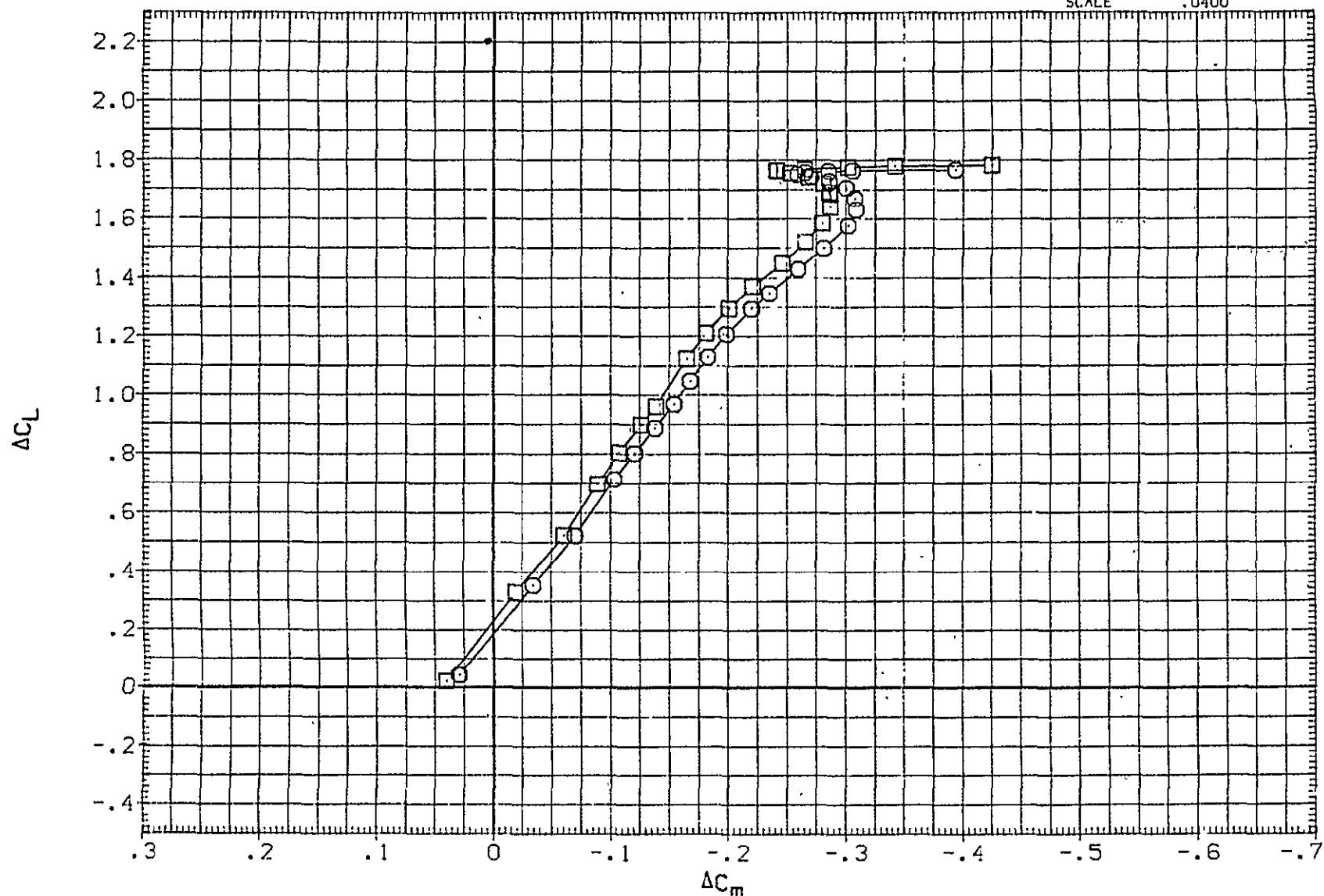


FIG 152 ALT CONFIG. EFFECT OF LANDING GEAR, FLAPS 20, IORB=6, TC OFF, ELEV=-5
 CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), ALPHA SWEEPS
 (A) MACH = .15 PAGE 520

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(UJF077)	○	(CA-8) K3V9.1.2TS5H15.6.1F20G5.3.5TS402
(UJF079)	□	(CA-8) K3V9.1.2TS5H15.6.1F20 TS402

ELEVTR	STAB	BDFLAP	BETA
.000	-2.000	.000	.000
.000	-2.000	.000	.000

REFERENCE INFORMATION		
SREF	5500.0000	SQ. FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMRP	1339.9100	IN. XC
YMRP	.0000	IN. YC
ZMRP	190.7500	IN. ZC
SCALE	.0400	

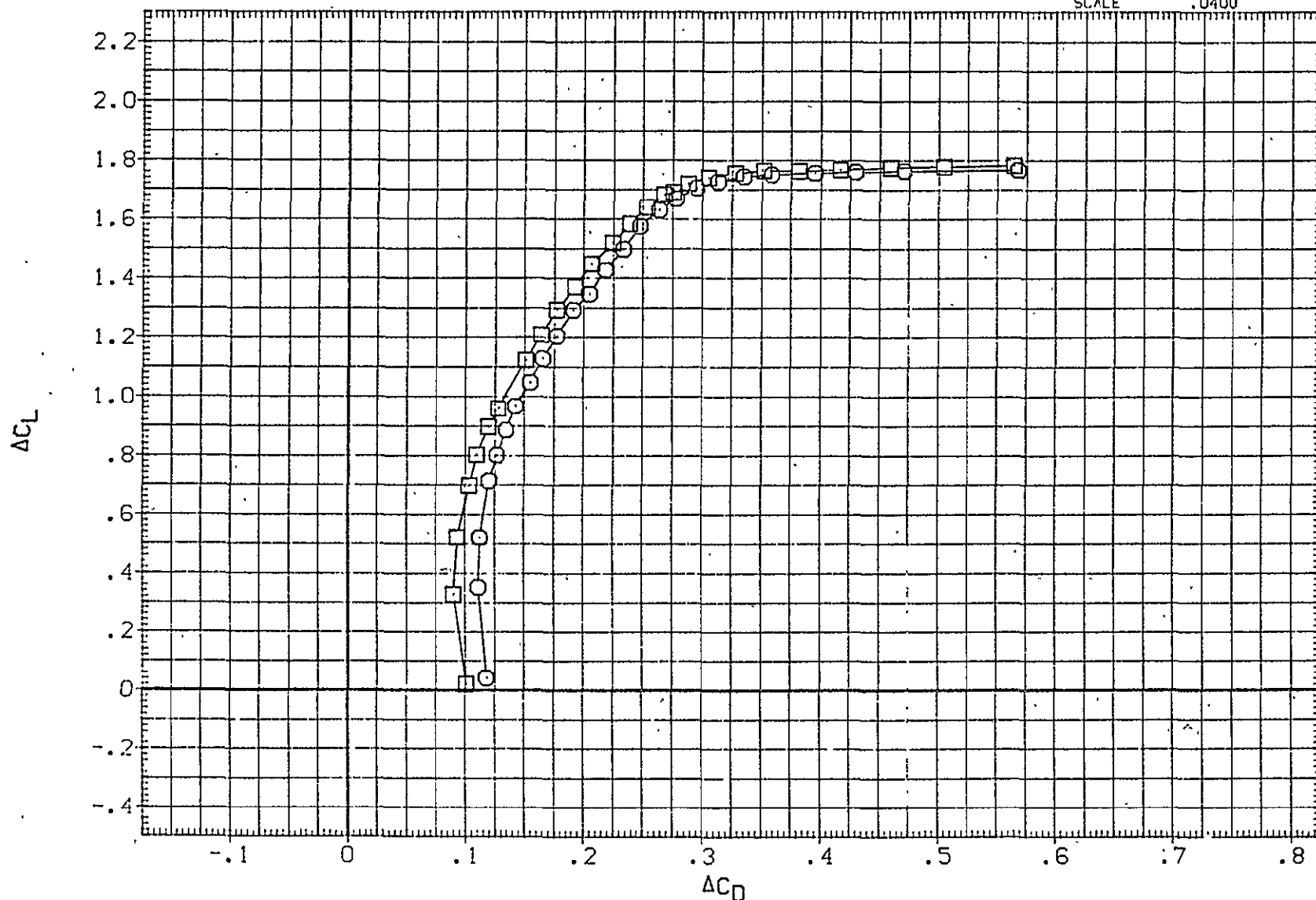


FIG 152 ALT CONFIG. EFFECT OF LANDING GEAR, FLAPS 20, IORB=6, TC OFF, ELEV=-5
 CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), ALPHA SWEEPS
 (A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BETA	REFERENCE INFORMATION		
(UJF100)	○	(CA-8) K3.1V9.1.2TS5H15.6.1F20TS402	17.000	-4.000	.000	.000	SREF	5500.0000	SQ.FT.
(UJF078)	□	(CA-8) K3V9.1.2TS5H15.6.1F20 TS402	.000	-4.000	.000	.000	LREF	327.8000	IN.
(UJF101)	◇	(CA-8) K3.1V9.1.2TS5H15.6.1F20TS402	-23.000	-4.000	.000	.000	BREF	2348.0000	IN.
					.000		XMRP	1339.9100	IN.XC
							YMRP	.0000	IN.YC
							ZMRP	190.7500	IN.ZC
							SCALE	.0400	

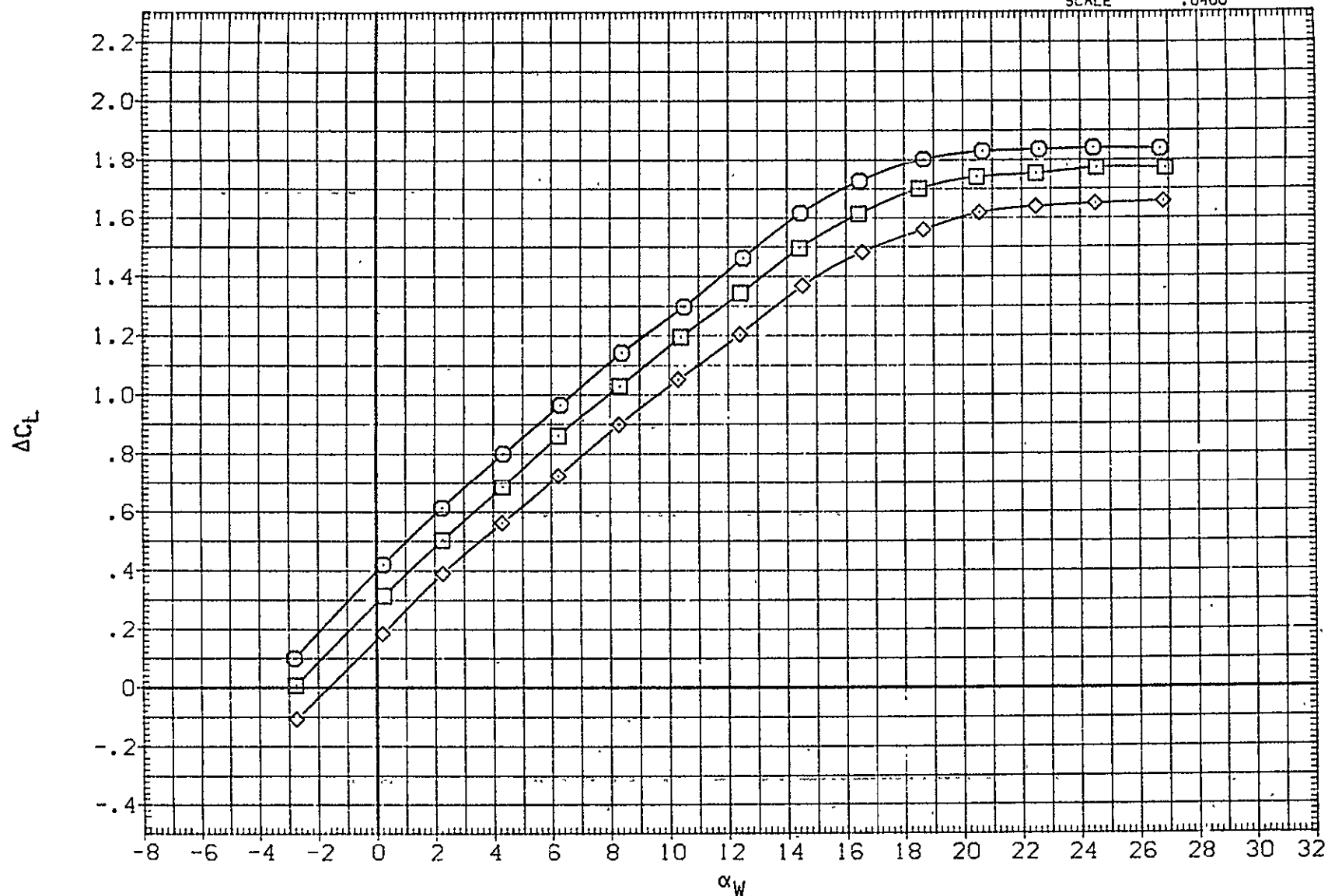


FIG 153 ALT CONFIG. ELEVATOR EFFECTIVENESS, FLAPS 20, IORB=6, TC OFF, ELEV=-5
CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BETA	REFERENCE INFORMATION		
(UJF100)	○	(CA-8) K3.1V9.1.2TS5H15.6.1F20TS402	17.000	-4.000	.000	.000	SREF	5500.0000	SQ.FT.
(UJF078)	□	(CA-8) K3V9.1.2TS5H15.6.1F20 TS402	.000	-4.000	.000	.000	LREF	327.8000	IN.
(UJF101)	◇	(CA-8) K3.1V9.1.2TS5H15.6.1F20TS402	-23.000	-4.000	.000	.000	BREF	2348.0000	IN.
							XMRP	1339.9100	IN.XC
							YMRP	.0000	IN.YC
							ZMRP	190.7500	IN.ZC
							SCALE	.0400	

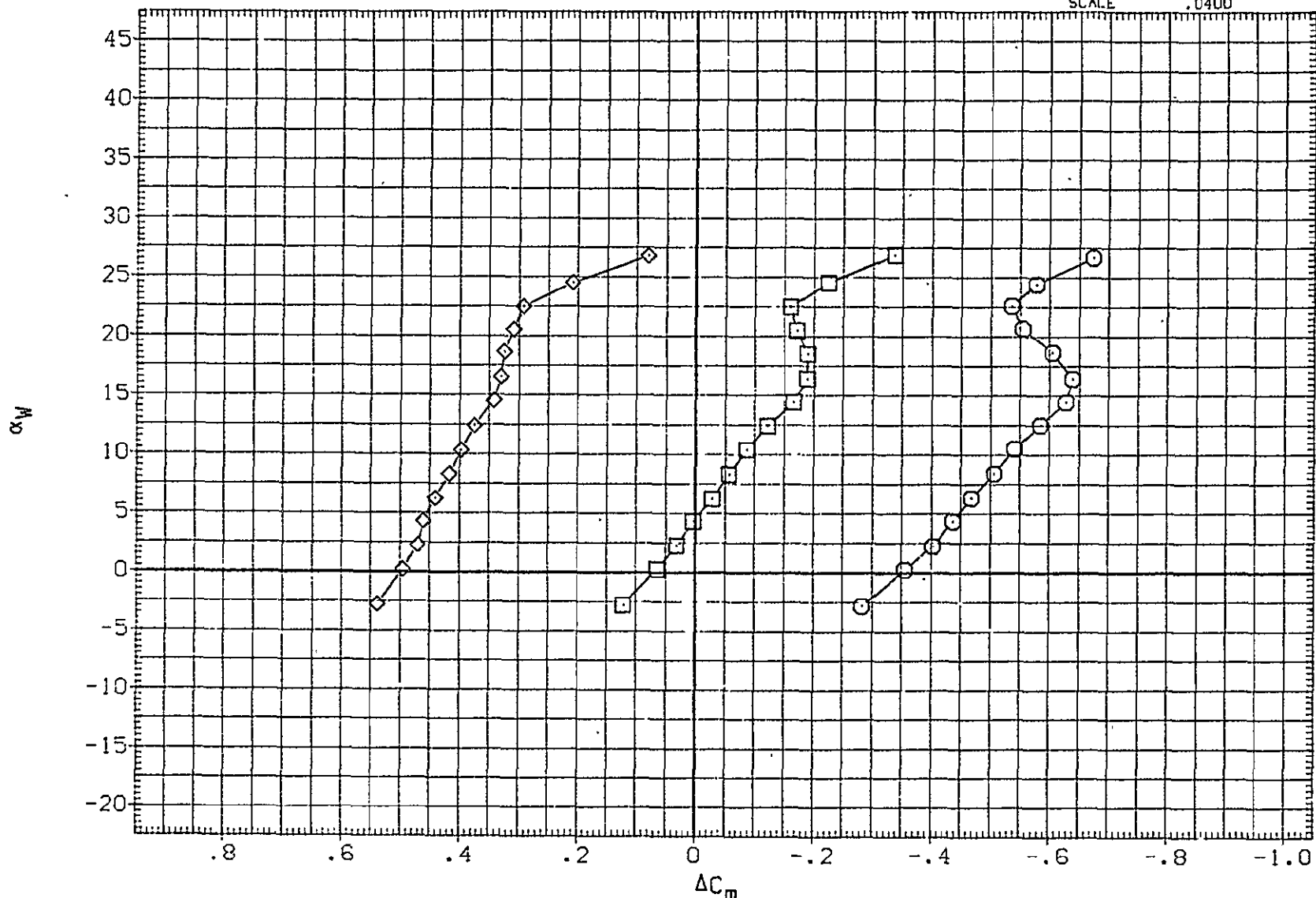


FIG 153 ALT CONFIG. ELEVATOR EFFECTIVENESS. FLAPS 20. IORB=6.TC OFF. ELEV=-5
 CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE). ALPHA SWEEPS
 (A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAR	BDFLAP	BFTA	REFERENCE INFORMATION		
(UJF100)	○	(CA-8) K3.1V9.1.2TS5H15.6.1F20TS402	17.000	-4.000	.000	.000	SREF	5500.0000	SQ.FT.
(UJF078)	□	(CA-8) K3V9.1.2TS5H15.6.1F20 TS402	.000	-4.000	.000	.000	LREF	327.8000	IN.
(UJF101)	◇	(CA-8) K3.1V9.1.2TS5H15.6.1F20TS402	-23.000	-4.000	.000	.000	BREF	2348.0000	IN.
							XMRP	1339.9100	IN.XC
							YMRP	.0000	IN.YC
							ZMRP	190.7500	IN.ZC
							SCALE	.0400	

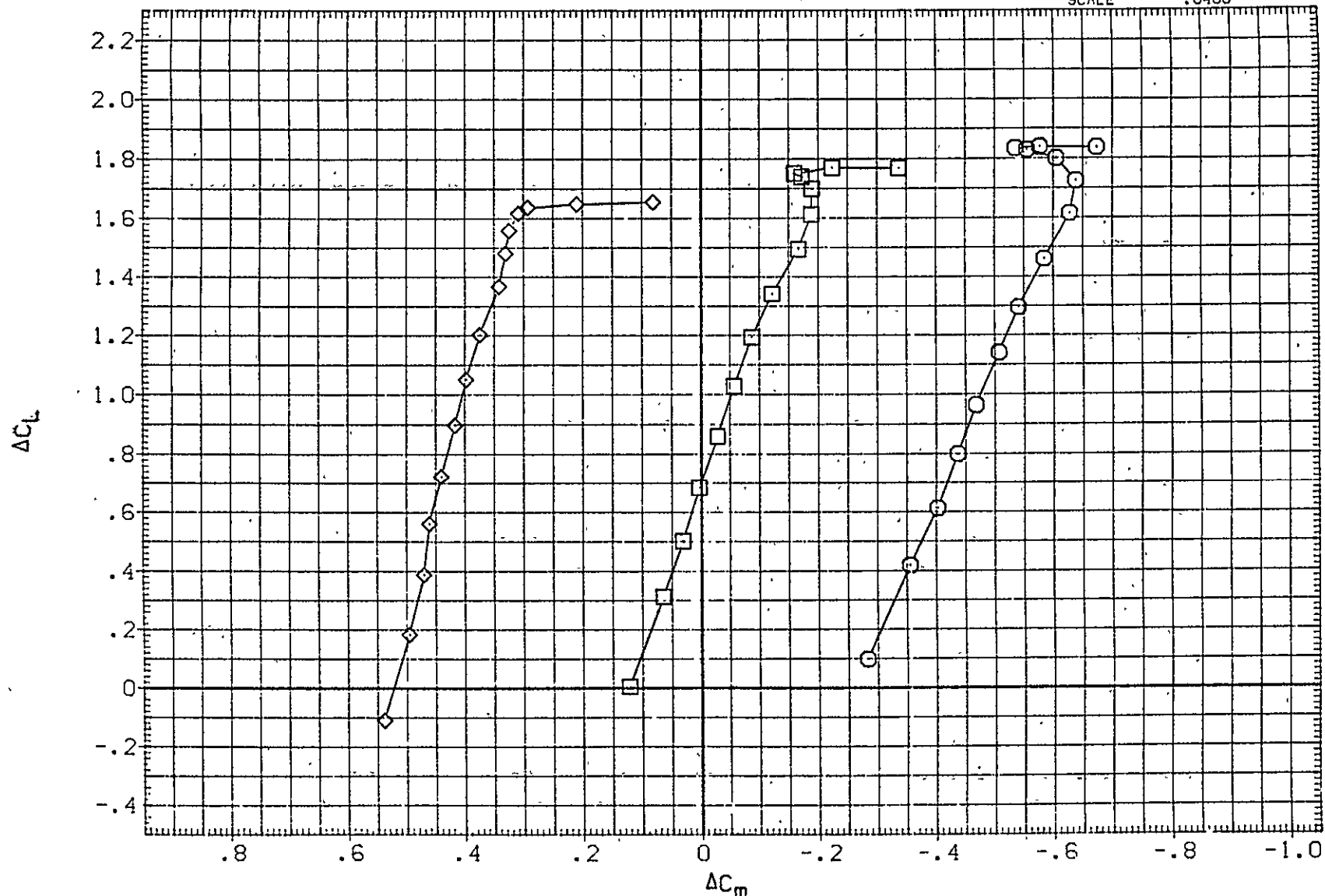


FIG 153 ALT CONFIG. ELEVATOR EFFECTIVENESS, FLAPS 20, IORB=6, TC OFF, ELEV=-5
CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), ALPHA SWEEPS

(A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BETA	REFERENCE INFORMATION		
(UJF100)	○	(CA-8) K3.1V9.1.2TS5H15.6.1F20TS402	17.000	-4.000	.000	.000	SREF	5500.0000	SQ.FT.
(UJF078)	□	(CA-8) K3V9.1.2TS5H15.6.1F20 TS402	.000	-4.000	.000	.000	LREF	327.8000	IN.
(UJF101)	◇	(CA-8) K3.1V9.1.2TS5H15.6.1F20TS402	-23.000	-4.000	.000	.000	BREF	2348.0000	IN.
							XMRP	1339.9100	IN.XC
							YMRP	.0000	IN.YC
							ZMRP	190.7500	IN.ZC
							SCALE	.0400	

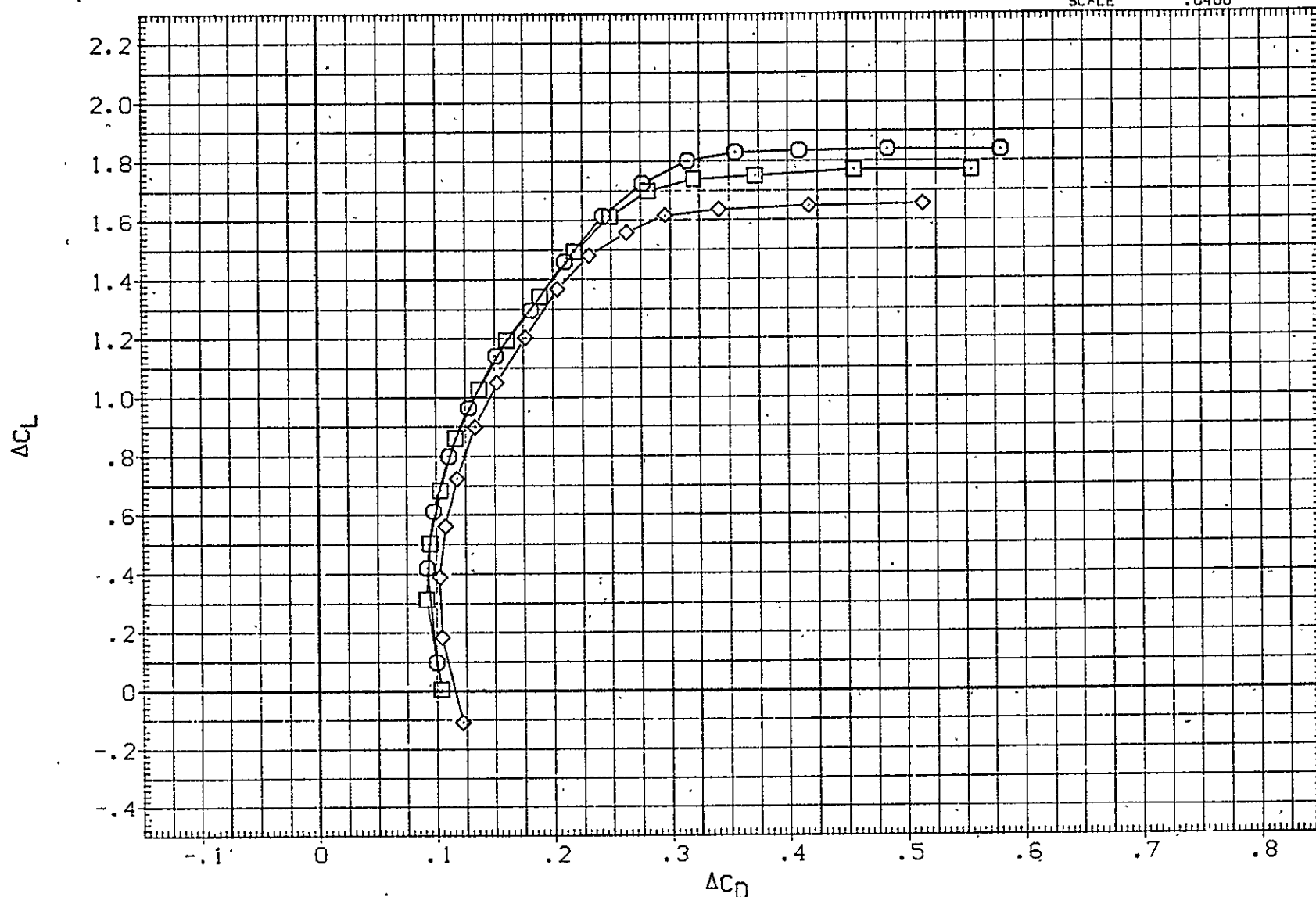


FIG 153 ALT CONFIG. ELEVATOR EFFECTIVENESS, FLAPS 20, IORB=6, TC OFF, ELEV=-5
CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), ALPHA SWEEPS

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BFTA	REFERENCE INFORMATION		
(UJF072)	○	(CA-8) K3V9.1.2TS5 F30G5.3.5TS402			.000	.000	SREF	5500.0000	SQ.FT.
(UJF069)	□	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402	.000	.000	.000	.000	LREF	327.8000	IN.
(UJF067)	◇	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402	.000	-2.000	.000	.000	BREF	2348.0000	IN.
(UJF068)	△	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402	.000	-4.000	.000	.000	XM RP	1339.9100	IN. XC
							YM RP	.0000	IN. YC
							ZM RP	190.7500	IN. ZC
							SCALE	.0400	

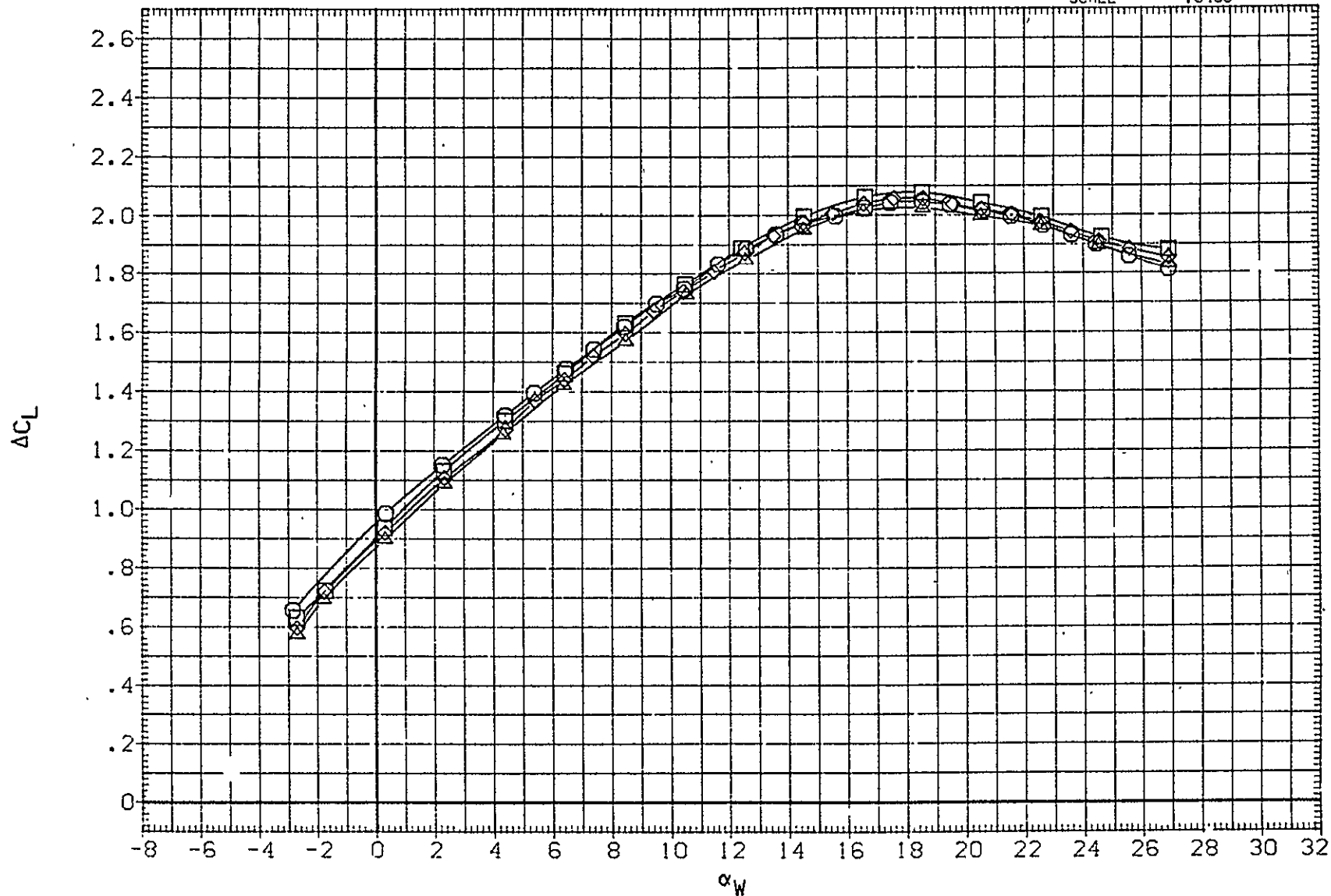


FIG 154 ALT CONFIG. STABILIZER EFFECTIVENESS. FLAPS 30, IORB=6, TC OFF, ELEV=-5
CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), ALPHA SWEEPS

(A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BFTA	REFERENCE INFORMATION		
(UJF072)	○	(CA-8) K3V9.1.2TS5 F3065.3.5TS402			.000	.000	SREF	5500.0000	SQ.FT.
(UJF069)	□	(CA-8) K3V9.1.2TS5H15.6.1F3065.3.5TS402	.000	.000	.000	.000	LREF	327.8000	IN.
(UJF067)	◇	(CA-8) K3V9.1.2TS5H15.6.1F3065.3.5TS402	.000	-2.000	.000	.000	BREF	2348.0000	IN.
(UJF068)	△	(CA-8) K3V9.1.2TS5H15.6.1F3065.3.5TS402	.000	-4.000	.000	.000	XMRP	1339.9100	IN.XC
							YMRP	.0000	IN.YC
							ZMRP	190.7500	IN.ZC
							SCALE	.0400	

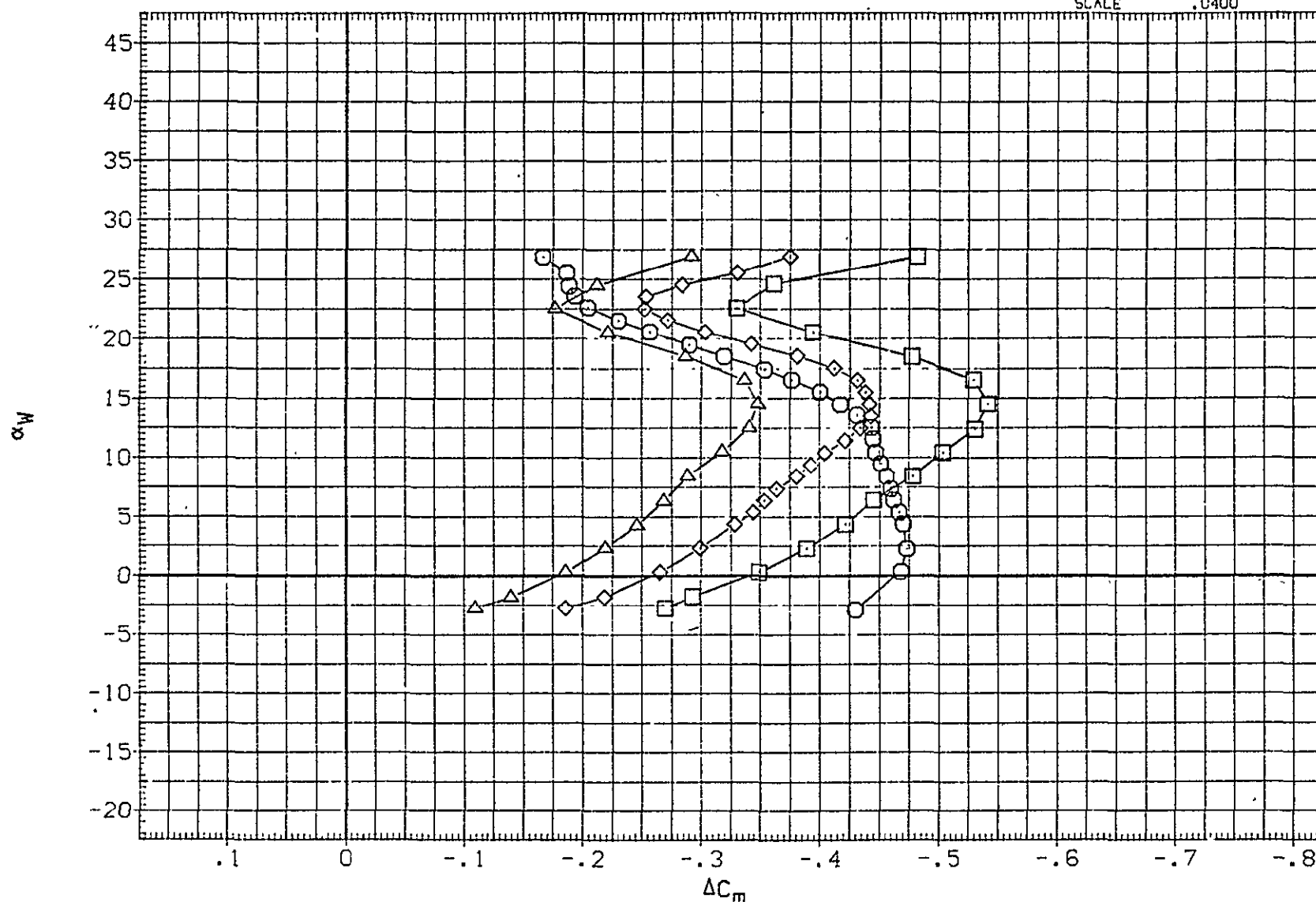


FIG 154 ALT CONFIG. STABILIZER EFFECTIVENESS, FLAPS 30, IORB=6, TC OFF, ELEV=-5
CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), ALPHA SWEEPS

(A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	80° LAP	BETA	REFERENCE INFORMATION		
(UJF072)	○	(CA-8) K3V9.1.2TSS F30G5.3.5TS402			.000	.000	SREF	5500.0000	50.FT.
(UJF069)	□	(CA-8) K3V9.1.2TSSH15.6.1F30G5.3.5TS402	.000	.000	.000	.000	LREF	327.8000	1N.
(UJF067)	◇	(CA-8) K3V9.1.2TSSH15.6.1F30G5.3.5TS402	.000	-2.000	.000	.000	BREF	2348.0000	1N.
(UJF068)	△	(CA-8) K3V9.1.2TSSH15.6.1F30G5.3.5TS402	.000	-4.000	.000	.000	XMRP	1339.9100	1N.XC
							YMRP	.0000	1N.YC
							ZMRP	190.7500	1N.ZC
							SCALE	.0400	

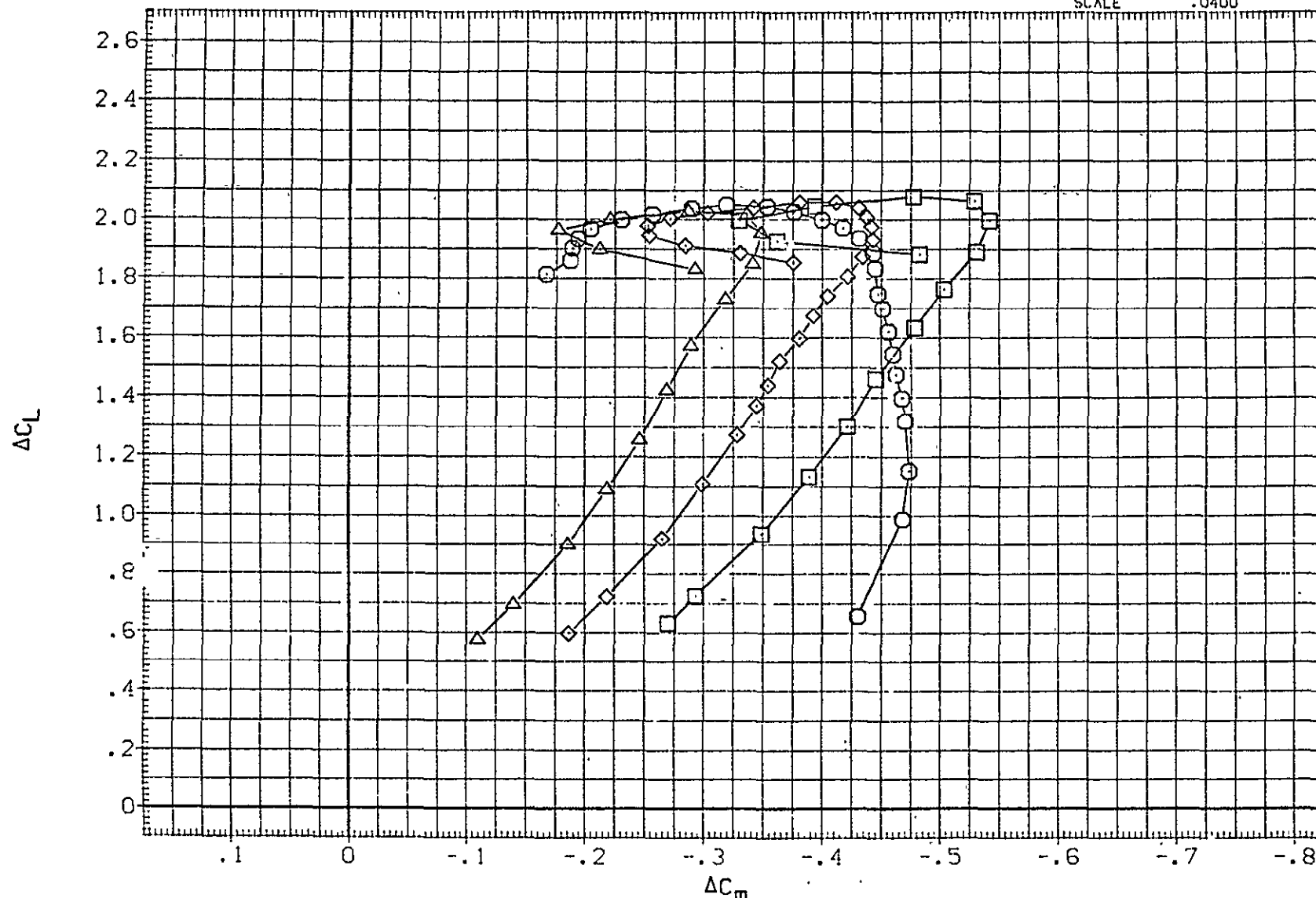


FIG 154 ALT CONFIG. STABILIZER EFFECTIVENESS, FLAPS 30, IORB=6, TC OFF, ELEV=-5
CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), ALPHA SWEEPS

(A) MACH = .15

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DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BFTA	REFERENCE INFORMATION		
(UJF072)	○	(CA-8) K3V9.1.2TS5 F30G5.3.5TS402			.000	.000	SREF	5500.0000	SQ.FT.
(UJF069)	□	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402	.000	.000	.000	.000	LREF	327.8000	IN.
(UJF067)	◇	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402	.000	-2.000	.000	.000	BREF	2348.0000	IN.
(UJF068)	△	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402	.000	-4.000	.000	.000	XMRP	1339.9100	IN.XC
							YMRP	.0000	IN.YC
							ZMRP	190.7500	IN.ZC
							SCALE	.0400	

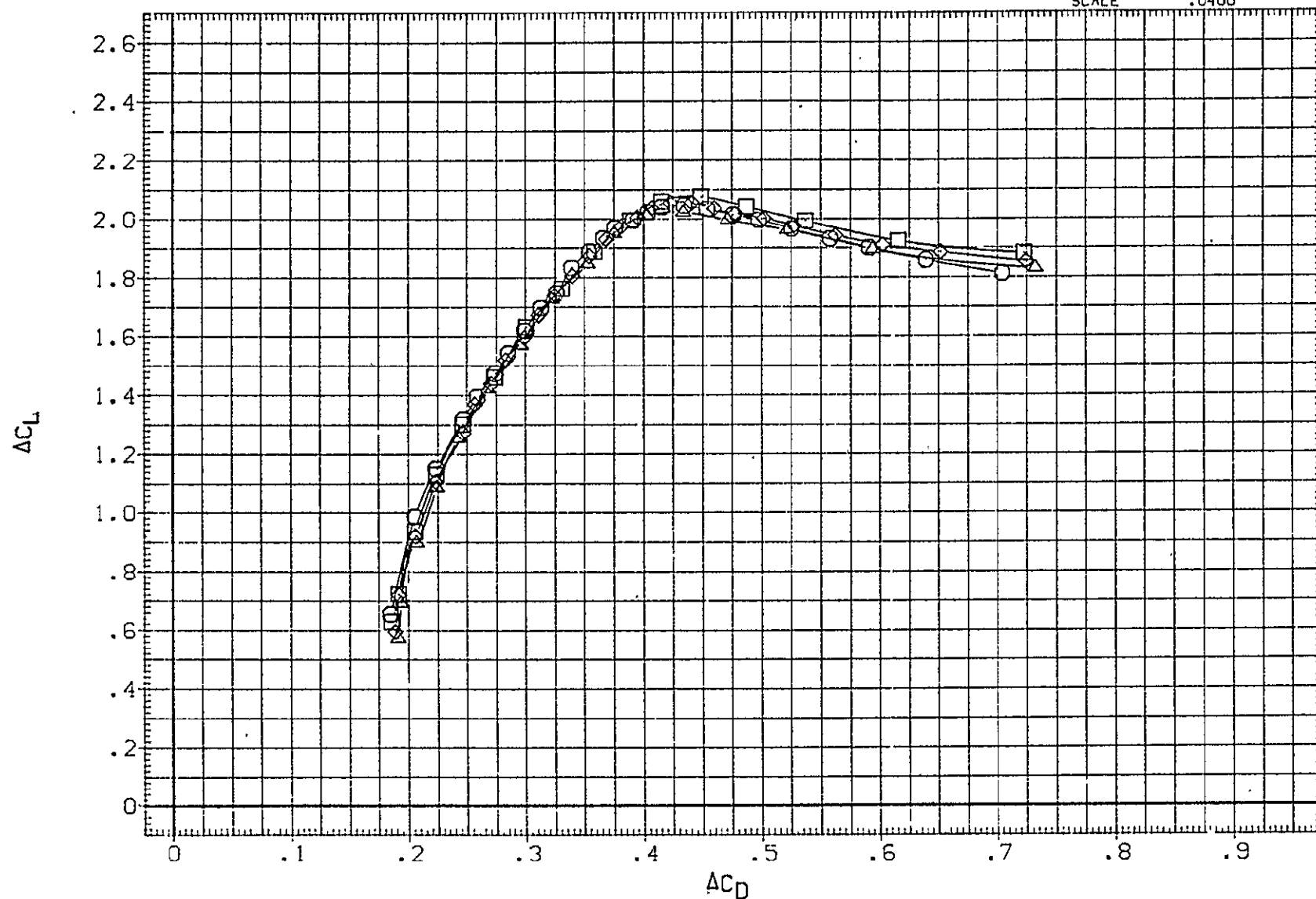


FIG 154 ALT CONFIG. STABILIZER EFFECTIVENESS. FLAPS 30, IORB=6, TC OFF, ELEV=-5
CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), ALPHA SWEEPS

(A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(UJF067)	○	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402
(UJF071)	□	(CA-8) K3V9.1.2TS5H15.6.1F30 TS402

ELEVTR	STAB	BDFLAP	BETA	REFERENCE INFORMATION	
.000	-2.000	.000	.000	SREF	5500.0000 SQ.FT.
.000	-2.000	.000	.000	LREF	327.8000 IN.
				BREF	2348.0000 IN.
				XMRP	1339.9100 IN.XC
				YMRP	.0000 IN.YC
				ZMRP	190.7500 IN.ZC
				SCALE	.0400

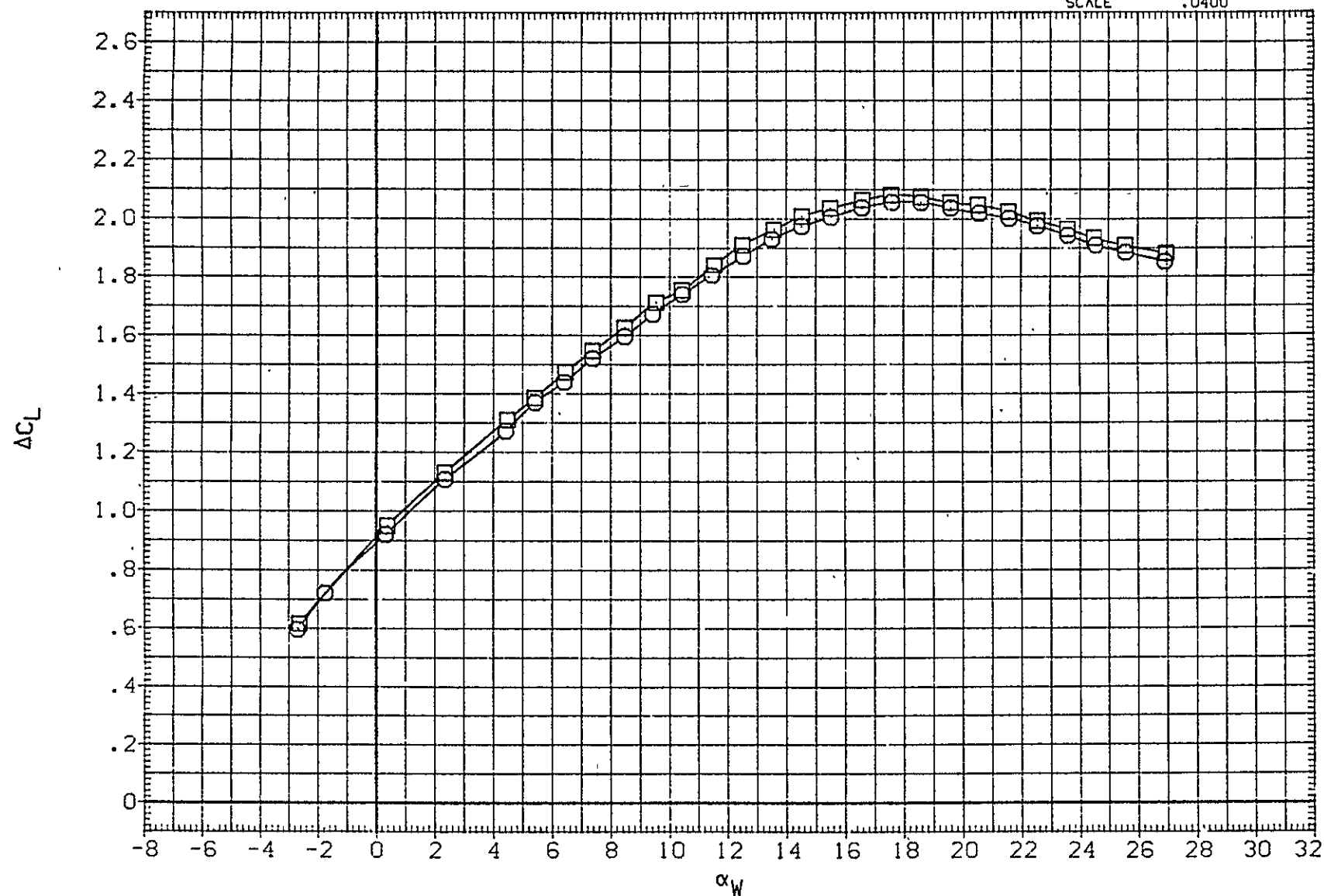


FIG 155 ALT CONFIG. EFFECT OF LANDING GEAR. FLAPS 30, IORB=6, TC OFF, ELEV=-5
CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), ALPHA SWEEPS

(A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BFTA	REFERENCE INFORMATION		
(UJF067)	○	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402	.000	-2.000	.000	.000	SREF	5500.0000	SQ.FT.
(UJF071)	□	(CA-8) K3V9.1.2TS5H15.6.1F30 TS402	.000	-2.000	.000	.000	LREF	327.8000	IN.
							BREF	2348.0000	IN.
							XMRP	1339.9100	IN.XC
							YMRP	.0000	IN.YC
							ZMRP	190.7500	IN.ZC
							SCALE	.0400	

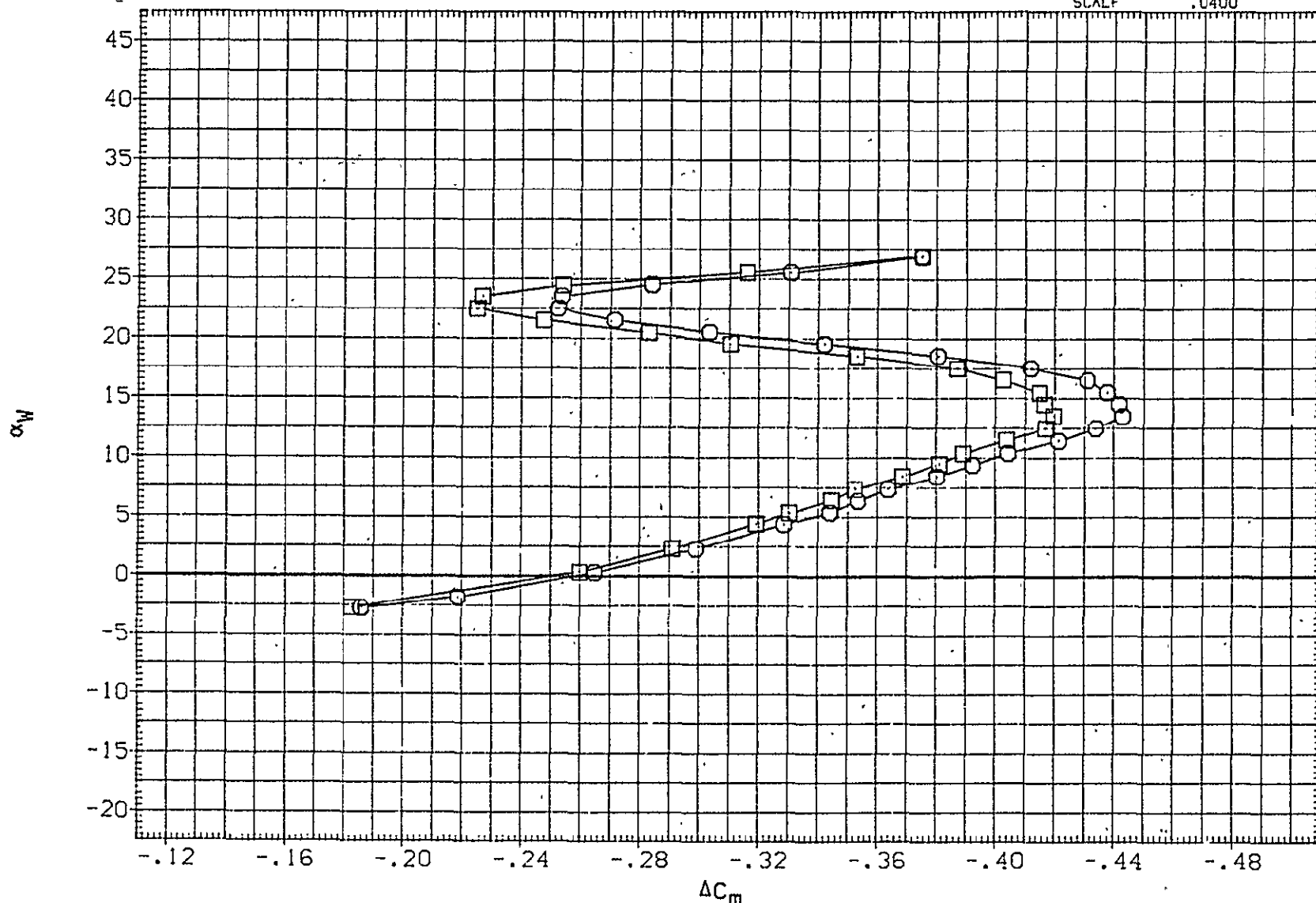


FIG 155 ALT CONFIG. EFFECT OF LANDING GEAR. FLAPS 30, IORB=6.TC OFF, ELEV=-5
CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(UJF067)	○	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402
(UJF071)	□	(CA-8) K3V9.1.2TS5H15.6.1F30 TS402

ELEVTR	STAB	BDFLAP	BETA
.000	-2.000	.000	.000
.000	-2.000	.000	.000

REFERENCE INFORMATION		
SREF	5500.0000	50.FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMRP	1339.9100	IN. XC
YMRP	.0000	IN. YC
ZMRP	190.7500	IN. ZC
SCALE	.0400	

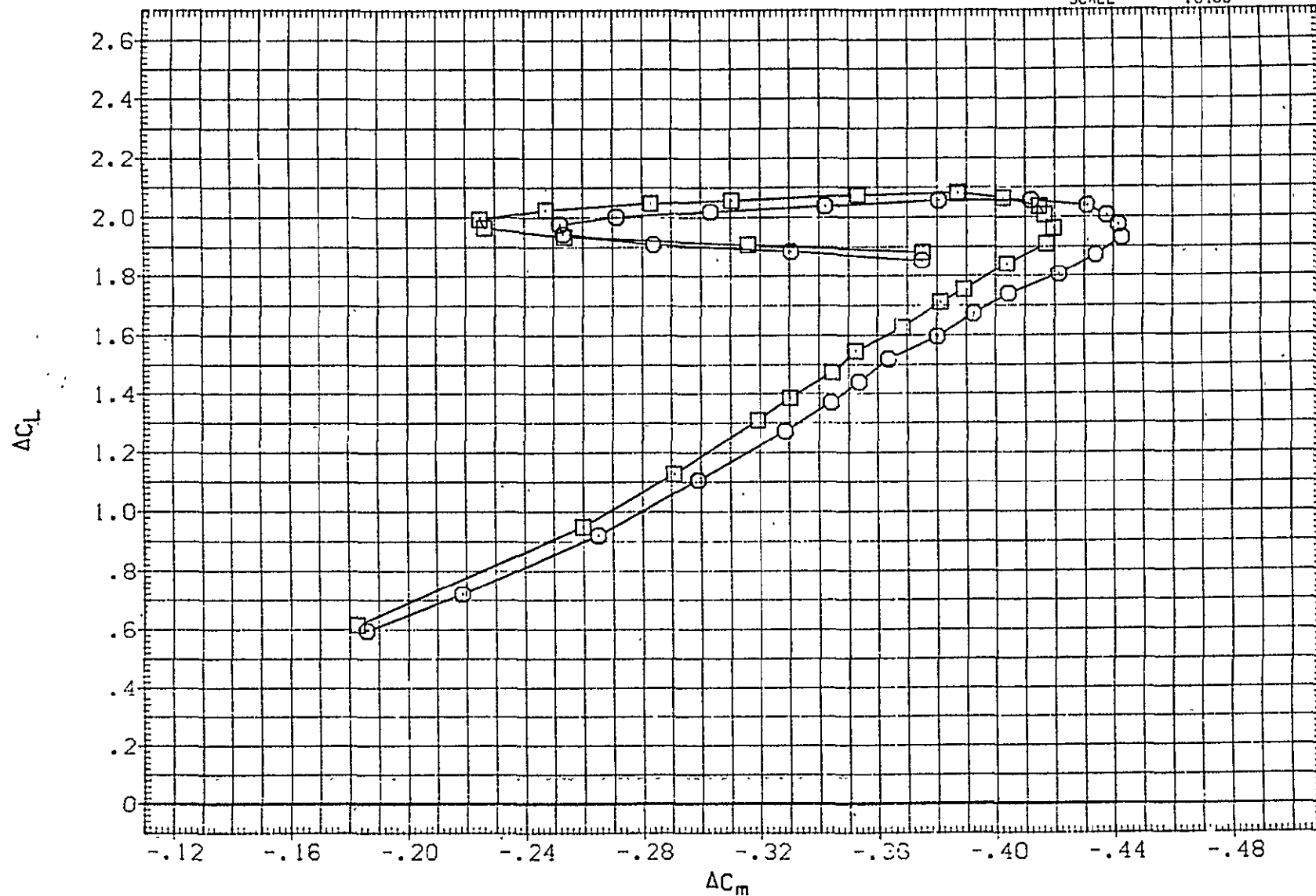


FIG 155 ALT CONFIG. EFFECT OF LANDING GEAR, FLAPS 30, IORB=6, TC OFF, ELEV=-5
CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), ALPHA SWEEPS

(A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BETA	REFERENCE INFORMATION	
(UJF067)	○	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402	.000	-2.000	.000	.000	SREF	5500.0000 SQ.FT.
(UJF071)	□	(CA-8) K3V9.1.2TS5H15.6.1F30 TS402	.000	-2.000	.000	.000	LREF	327.8000 IN.
							BREF	2348.0000 IN.
							XMRP	1339.9100 IN.XC
							YMRP	.0000 IN.YC
							ZMRP	190.7500 IN.ZC
							SCALE	.0400

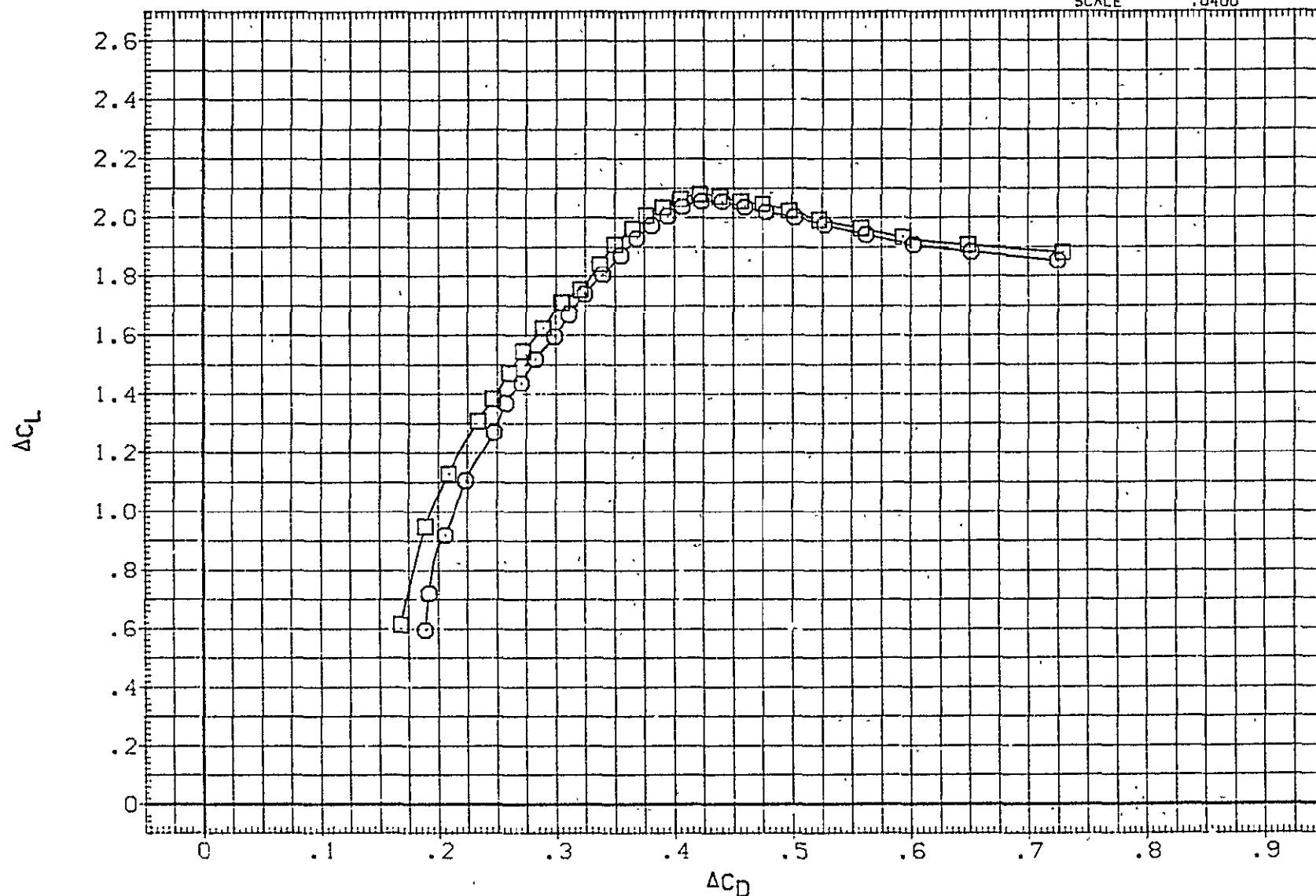


FIG 155 ALT CONFIG. EFFECT OF LANDING GEAR, FLAPS 30, IORB=6, TC OFF, ELEV=-5
CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), ALPHA SWEEPS

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BETA	REFERENCE INFORMATION		
(UJF066)	○	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402	17.000	-2.000	.000	.000	SREF	5500.0000	SQ.FT.
(UJF065)	□	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402	10.000	-2.000	.000	.000	LREF	327.8000	IN.
(UJF067)	◇	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402	.000	-2.000	.000	.000	BREF	2348.0000	IN.
(UJF064)	△	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402	-10.000	-2.000	.000	.000	XMRP	1339.9100	IN.XC
(UJF063)	▽	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402	-23.000	-2.000	.000	.000	YMRP	.0000	IN.YC
							ZMRP	190.7500	IN.ZC
							SCALE	.0400	

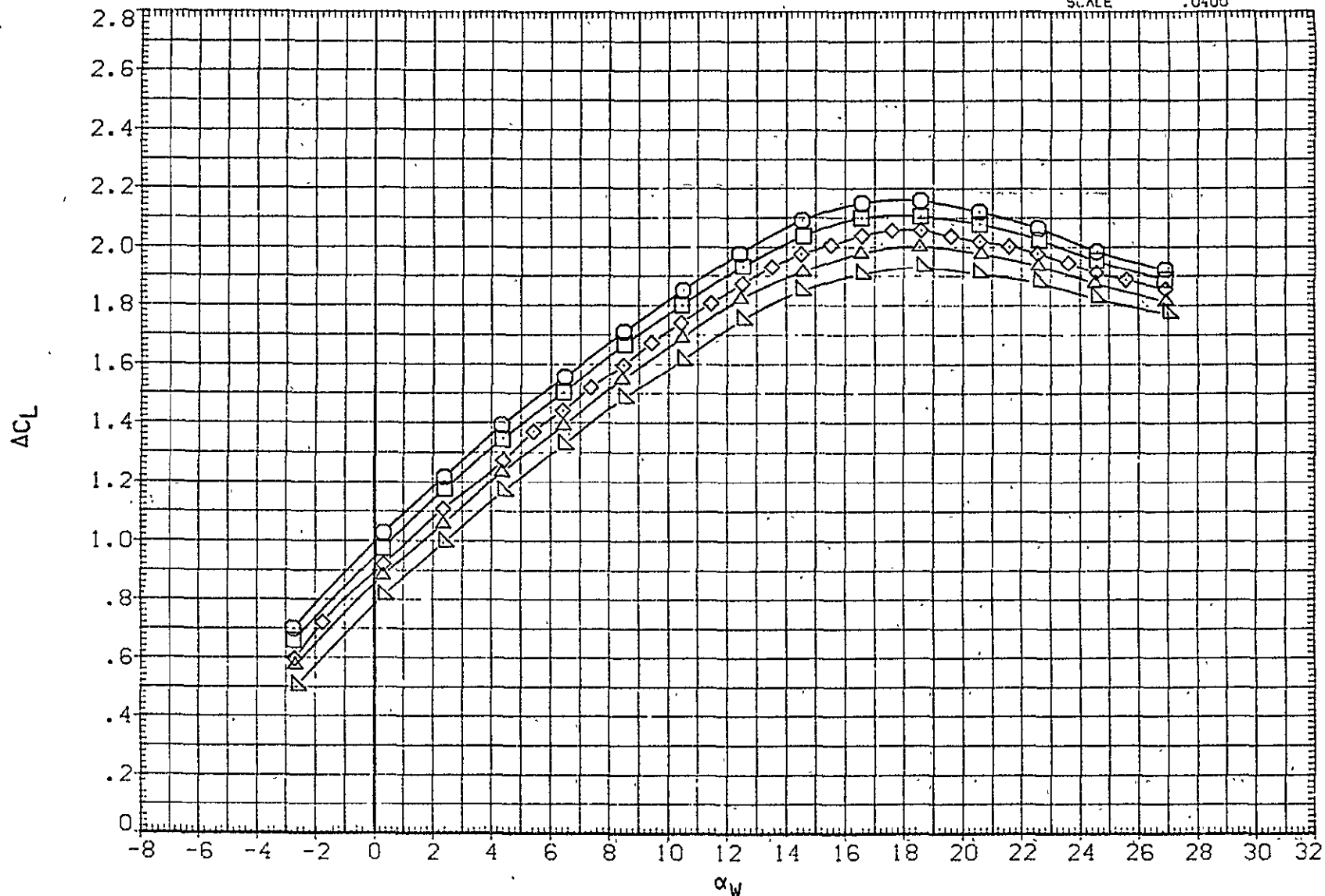


FIG 156 ALT CONFIG. ELEVATOR EFFECTIVENESS. FLAPS 30. IORB=6, TC OFF, ELEV=-5
CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), ALPHA SWEEPS

(A) MACH = .15

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REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BFTA	REFERENCE INFORMATION		
(UJF066)	○	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402	17.000	-2.000	.000	.000	SREF	5500.0000	SQ.FT.
(UJF065)	□	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402	10.000	-2.000	.000	.000	LREF	327.8000	IN.
(UJF067)	◇	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402	.000	-2.000	.000	.000	BREF	2348.0000	IN.
(UJF064)	△	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402	-10.000	-2.000	.000	.000	XMRP	1339.9100	IN.XC
(UJF063)	▽	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402	-23.000	-2.000	.000	.000	YMRP	.0000	IN.YC
							ZMRP	190.7500	IN.ZC
							SCALE	.0400	

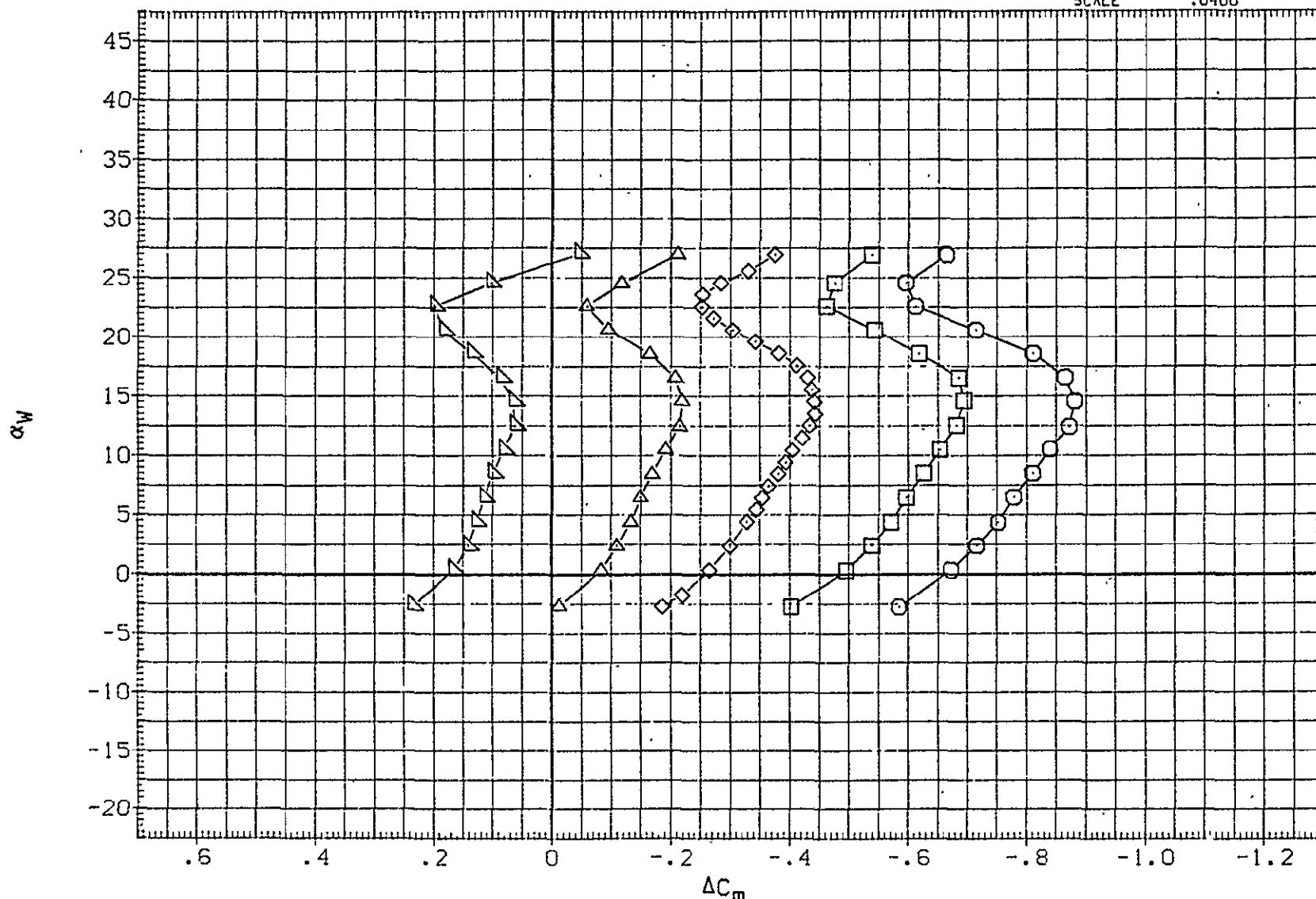


FIG 156 ALT CONFIG. ELEVATOR EFFECTIVENESS, FLAPS 30, IORB=6, TC OFF, ELEV=-5
CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BCFLAP	BFTA	REFERENCE INFORMATION		
(UJF066)	○	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402	17.000	-2.000	.000	.000	SREF	5500.0000	SQ.FT.
(UJF065)	□	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402	10.000	-2.000	.000	.000	LREF	327.8000	IN.
(UJF067)	◇	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402	.000	-2.000	.000	.000	BREF	2348.0000	IN.
(UJF064)	△	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402	-10.000	-2.000	.000	.000	XMRP	1339.9100	IN.XC
(UJF063)	▽	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402	-23.000	-2.000	.000	.000	YMRP	.0000	IN.YC
							ZMRP	190.7500	IN.ZC
							SCALE	.0400	

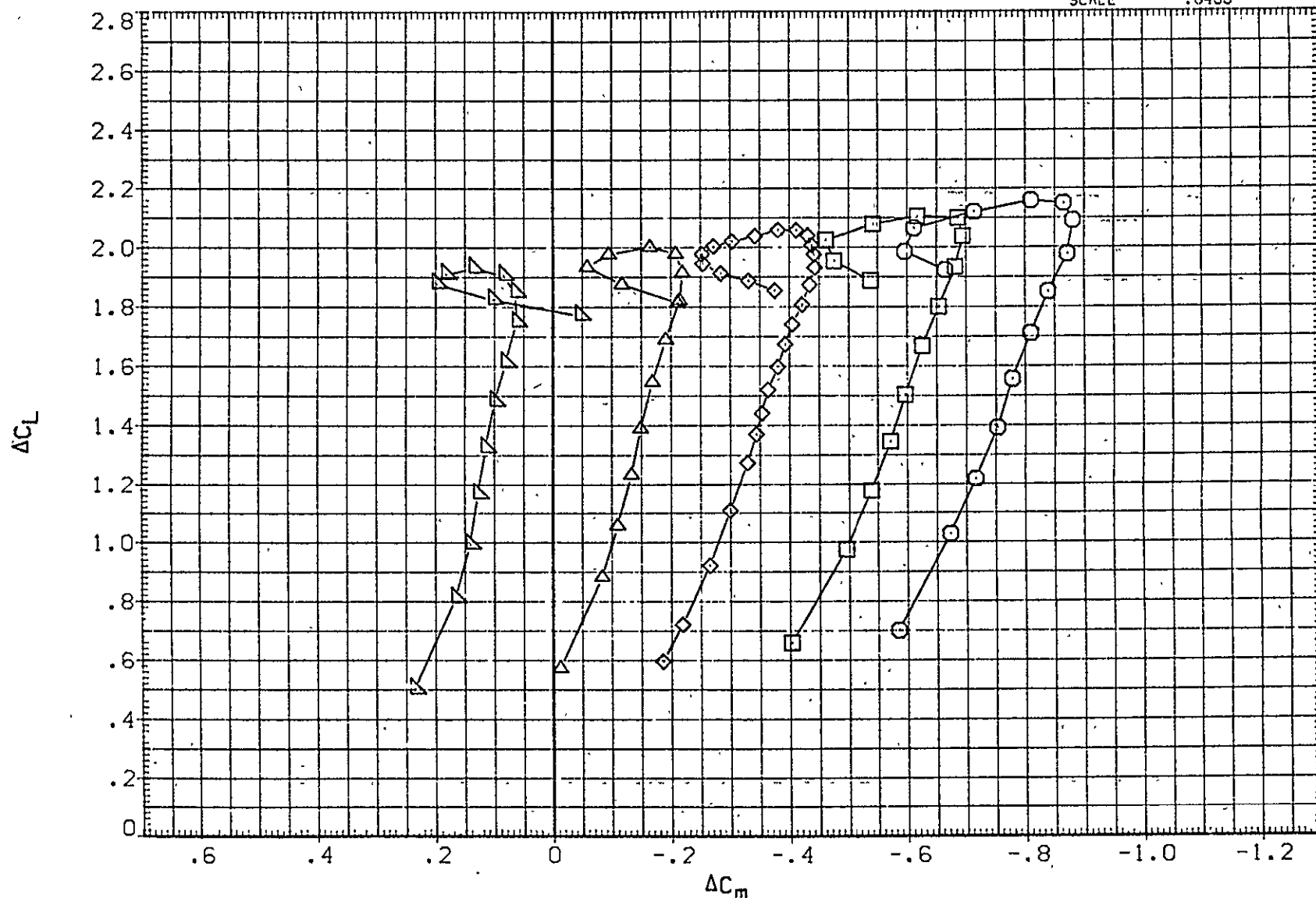


FIG 156 ALT CONFIG. ELEVATOR EFFECTIVENESS, FLAPS 30. IORB=6, TC OFF. ELEV=-5
CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), ALPHA SWEEPS

(A)MACH

.15

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DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BOFLAP	BFTA	REFERENCE INFORMATION		
(UJF066)	□	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402	17.000	-2.000	.000	.000	SREF	5500.0000	50. FT.
(UJF065)	○	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402	10.000	-2.000	.000	.000	LREF	327.8000	IN.
(UJF067)	◇	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402	.000	-2.000	.000	.000	BREF	2348.0000	IN.
(UJF064)	△	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402	-10.000	-2.000	.000	.000	XMRP	1339.9100	IN. XC
(UJF063)	▽	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402	-23.000	-2.000	.000	.000	YMRP	.0000	IN. YC
							ZMRP	190.7500	IN. ZC
							SCALE	.0400	

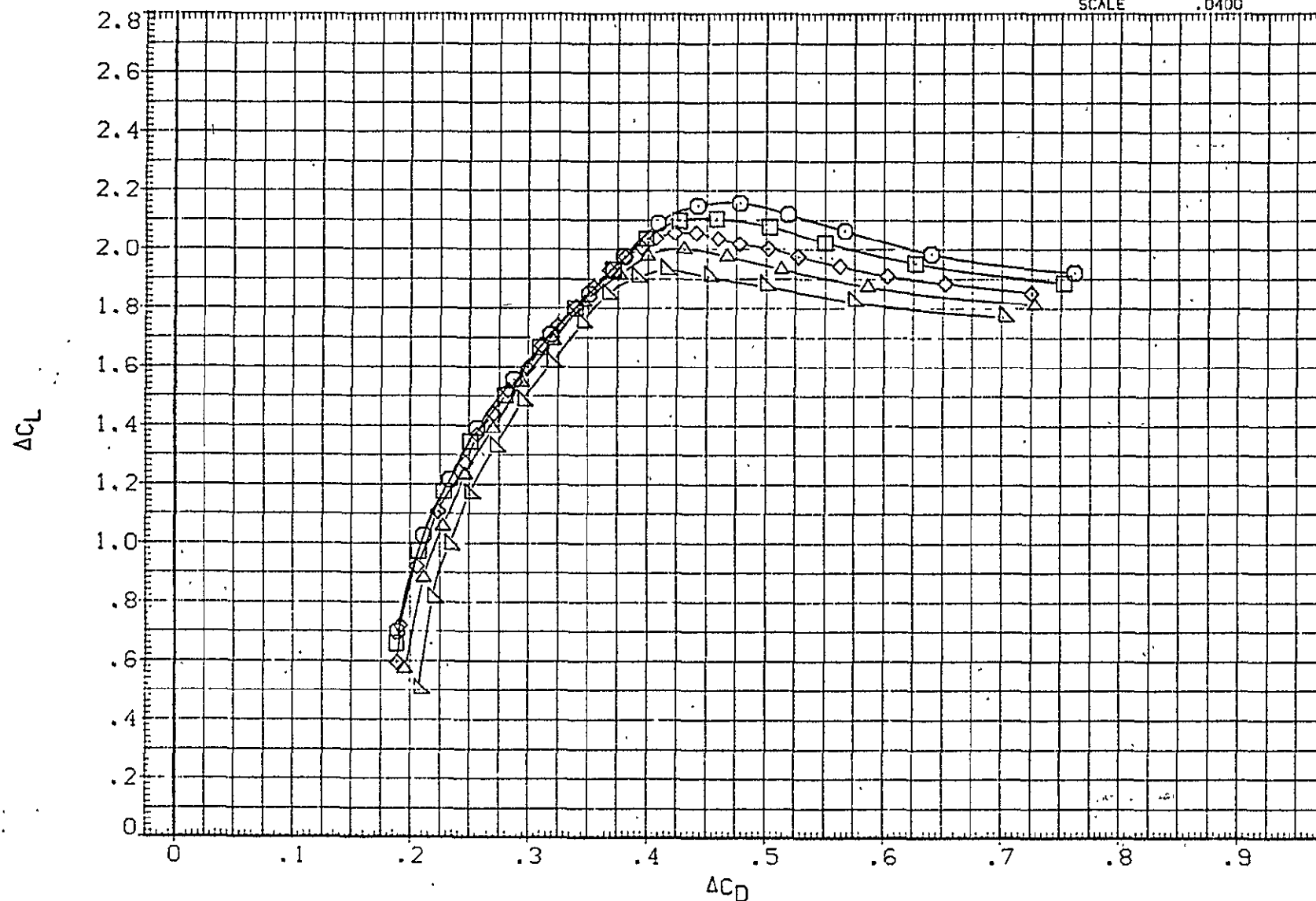


FIG 156 ALT CONFIG. ELEVATOR EFFECTIVENESS, FLAPS 30, IORB=6, TC OFF, ELEV=-5
 CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), ALPHA SWEEPS
 (A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(UJF070)	○	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402SS
(UJF067)	□	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402

ELEVTR	STAB	BDFLAP	BETA	REFERENCE INFORMATION		
.000	-2.000	.000	.000	SREF	5500.0000	50.FT.
.000	-2.000	.000	.000	LREF	327.8000	IN.
				BREF	2348.0000	IN.
				XMRP	1339.9100	IN.XC
				YMRP	.0000	IN.YC
				ZMRP	190.7500	IN.ZC
				SCALE	.0400	

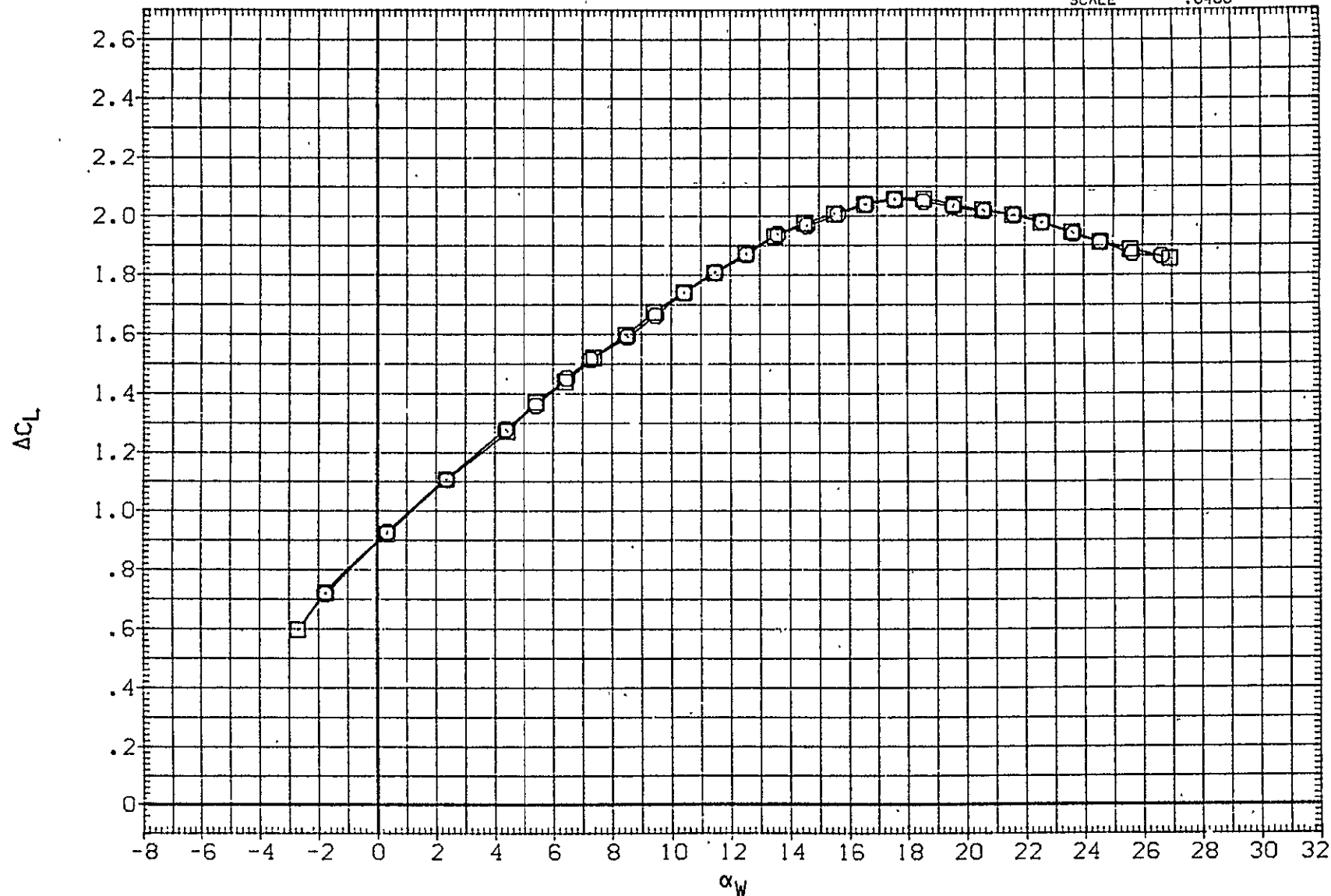


FIG 157 ALT CONFIG. EFFECT OF SUGAR SCOOPS FLAPS 30, IORB=6, TC OFF, ELEV=-5
 CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BD*LAP	BETA	REFERENCE INFORMATION		
(UJF070)	○	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402SS	.000	-2.000	.000	.000	SREF	5500.0000	SQ.FT.
(UJF067)	□	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402	.000	-2.000	.000	.000	LREF	327.8000	IN.
							BREF	2348.0000	IN.
							XMRP	1339.9100	IN.XC
							YMRP	.0000	IN.YC
							ZMRP	190.7500	IN.ZC
							SCALE	.0400	

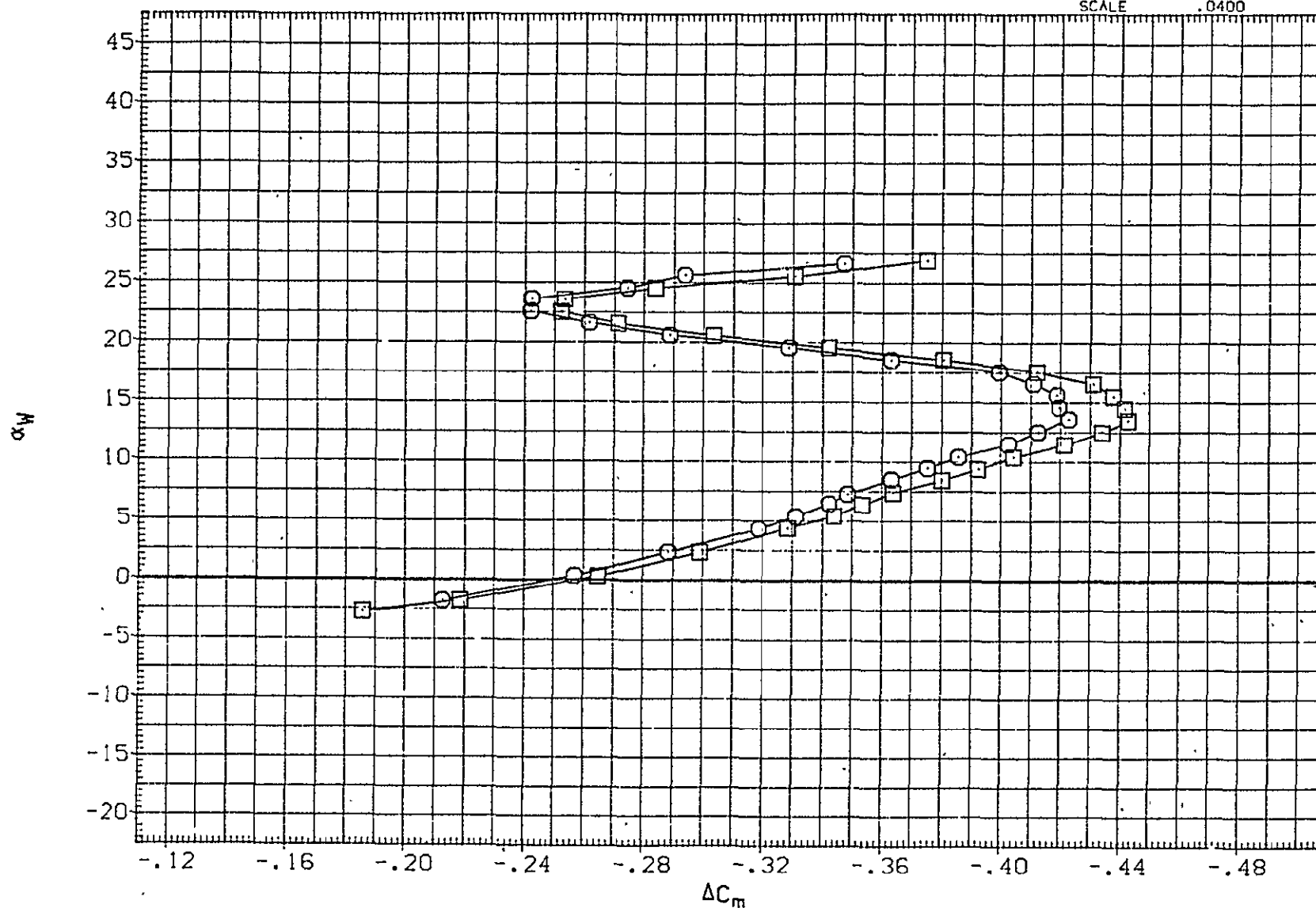


FIG 157 ALT CONFIG. EFFECT OF SUGAR SCOOPS FLAPS 30, IORB=6, TC OFF, ELEV=-5
 CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), ALPHA SWEEPS
 (A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BETA	REFERENCE INFORMATION	
(UJF070)	○	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402SS	.000	-2.000	.000	.000	SREF	5500.0000 SQ.FT.
(UJF067)	□	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402	.000	-2.000	.000	.000	LREF	327.8000 IN.
							BREF	2348.0000 IN.
							XMRP	1339.9100 IN.XC
							YMRP	.0000 IN.YC
							ZMRP	190.7500 IN.ZC
							SCALE	.0400

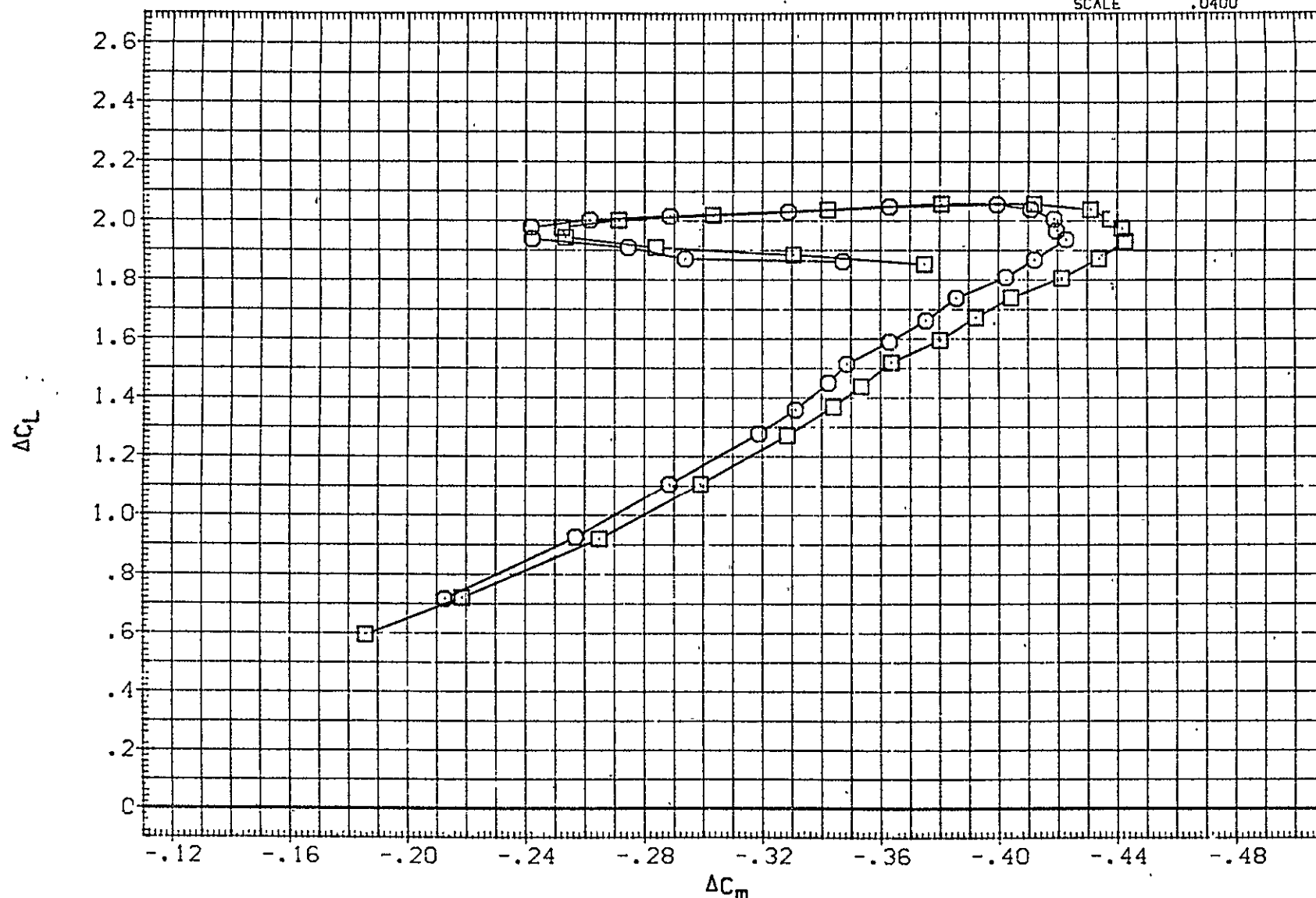


FIG 157 ALT CONFIG. EFFECT OF SUGAR SCOOPS FLAPS 30, IORB=6, TC OFF, ELEV=-5
 CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), ALPHA SWEEPS
 (A) MACH = .15 PAGE 540

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ORIGINAL PAGE IS POOR

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BETA	REFERENCE INFORMATION		
(UJF070)	○	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402SS	.000	-2.000	.000	.000	SREF	5500.0000	50.FT.
(UJF067)	□	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402	.000	-2.000	.000	.000	LREF	327.8000	IN.
							BREF	2348.0000	IN.
							XMPP	1339.9100	IN. XC
							YMPP	.0000	IN. YC
							ZMPP	190.7500	IN. ZC
							SCALE	.0400	

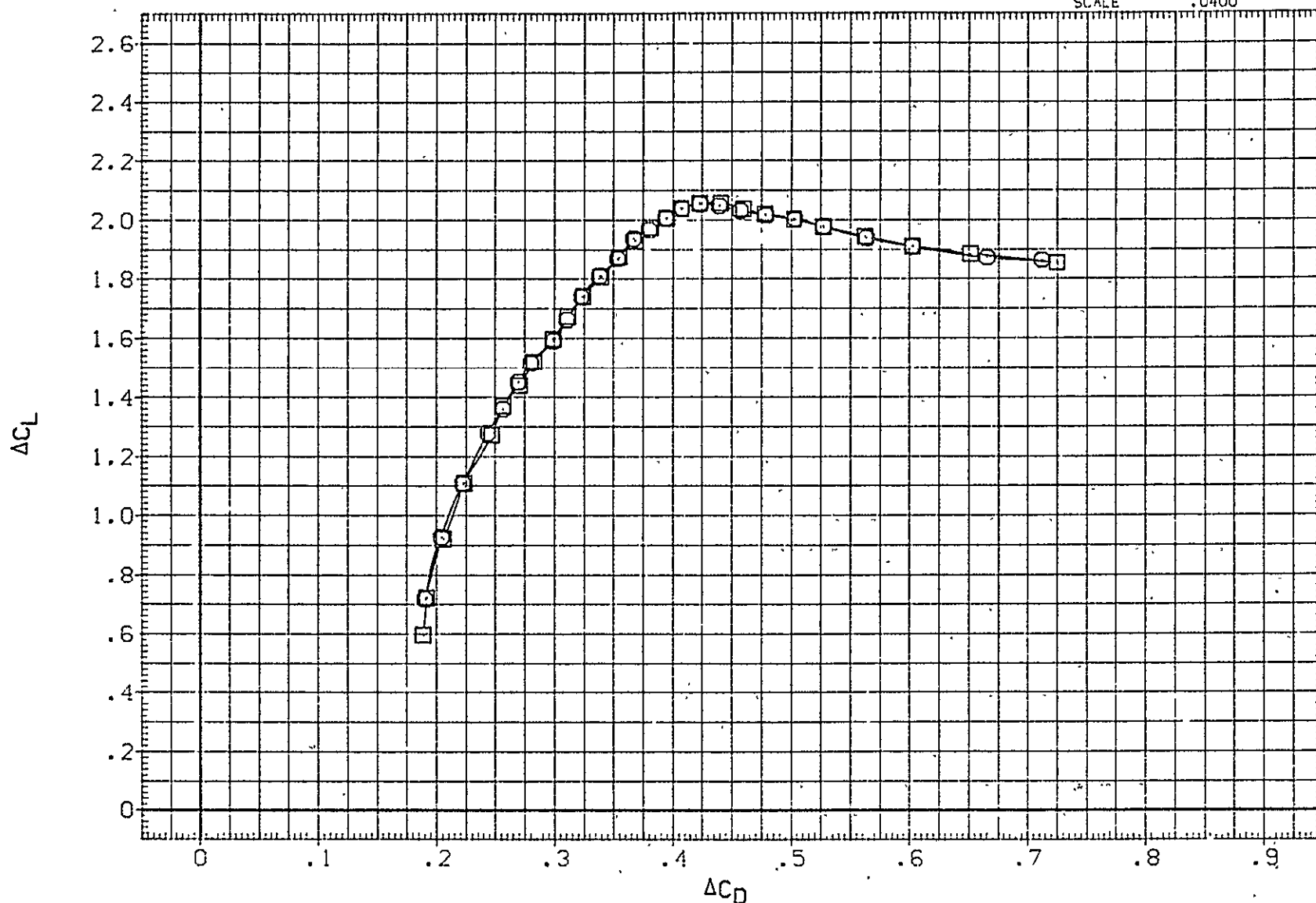


FIG 157 ALT CONFIG. EFFECT OF SUGAR SCOOPS FLAPS 30, 10RB=6, TC OFF, ELEV=-5
CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), ALPHA SWEEPS

(A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BFTA	REFERENCE INFORMATION		
(UJF087)	○	(CA-8) K3V9.1.2TS5 F20TS40I			-11.700	.000	SREF	5500.0000	50.FT.
(UJF088)	□	(CA-8) K3V9.1.2TS5H15.6.1F20TS40I	.000	3.000	-11.700	.000	LREF	327.8000	1N.
(UJF089)	△	(CA-8) K3V9.1.2TS5H15.6.1F20TS40I	.000	.000	-11.700	.000	BREF	2348.0000	1N.
(UJF091)	×	(CA-8) K3V9.1.2TS5H15.6.1F20TS40I	.000	-2.000	-11.700	.000	XMRP	1339.9100	1N.XC
(UJF090)	▽	(CA-8) K3V9.1.2TS5H15.6.1F20TS40I	.000	-4.000	-11.700	.000	YMRP	.0000	1N.YC
							ZMRP	190.7500	1N.ZC
							SCALE	.0400	

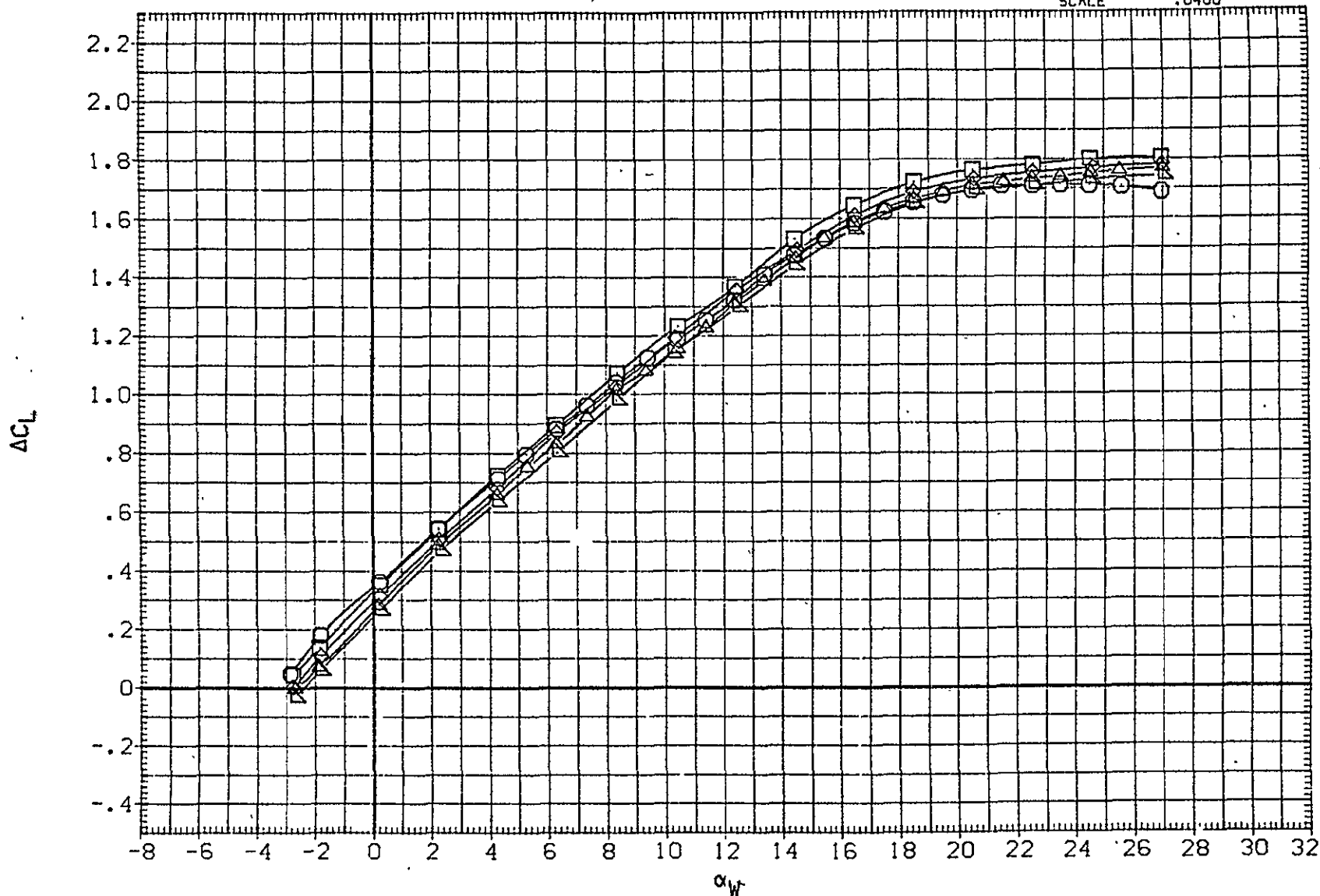


FIG 158 ALT CONFIG. STABILIZER EFFECTIVENESS, FLAPS 20 IORB=8, TC ON, ELEV=-5
CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BFTA	REFERENCE INFORMATION		
(UJF087)	○	(CA-8) K3V9.1.2TS5 F20TS401			-11.700	.000	SREF	5500.0000	SQ.FT.
(UJF088)	□	(CA-8) K3V9.1.2TS5H15.6.1F20TS401	.000	3.000	-11.700	.000	LREF	327.8000	IN.
(UJF089)	◇	(CA-8) K3V9.1.2TS5H15.6.1F20TS401	.000	.000	-11.700	.000	BREF	2348.0000	IN.
(UJF091)	△	(CA-8) K3V9.1.2TS5H15.6.1F20TS401	.000	-2.000	-11.700	.000	XMRP	1339.9100	IN.XC
(UJF090)	▽	(CA-8) K3V9.1.2TS5H15.6.1F20TS401	.000	-4.000	-11.700	.000	YMRP	.0000	IN.YC
							ZMRP	190.7500	IN.ZC
							SCALE	.0400	

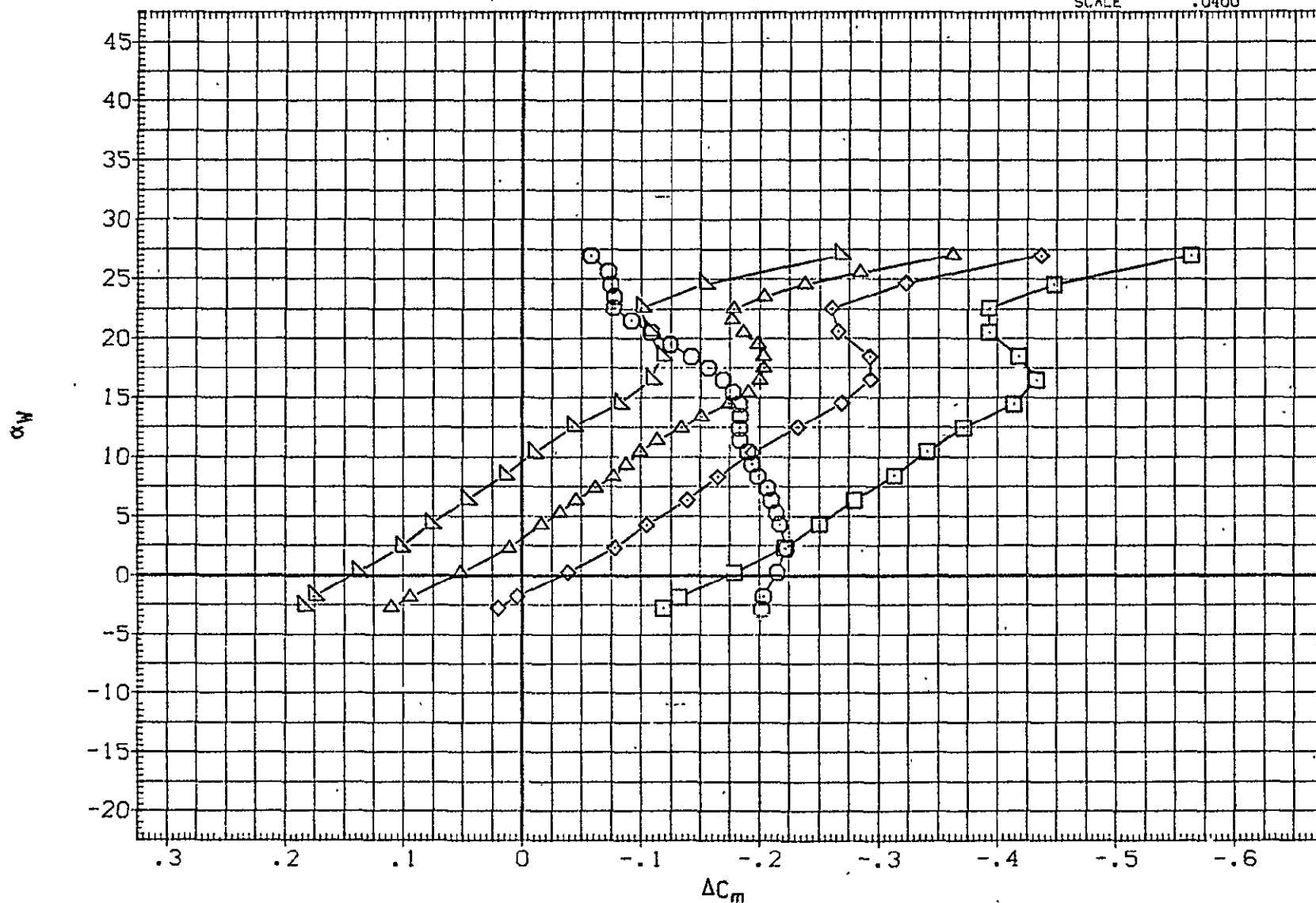


FIG 158 ALT CONFIG. STABILIZER EFFECTIVENESS, FLAPS 20 10RB=8, TC ON, ELEV=-5
CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), ALPHA SWEEPS

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BETA	REFERENCE INFORMATION		
(UJF087)	○	(CA-8) K3V9.1.2TS5 F20TS401	.000	3.000	-11.700	.000	SREF	5500.0000	50.FT.
(UJF088)	◇	(CA-8) K3V9.1.2TS5H15.6.1F20TS401	.000	.000	-11.700	.000	LREF	327.8000	IN.
(UJF089)	△	(CA-8) K3V9.1.2TS5H15.6.1F20TS401	.000	-2.000	-11.700	.000	BREF	2348.0000	IN.
(UJF091)	▽	(CA-8) K3V9.1.2TS5H15.6.1F20TS401	.000	-4.000	-11.700	.000	XMRF	1339.9100	IN.XC
(UJF090)	□	(CA-8) K3V9.1.2TS5H15.6.1F20TS401					YMRP	.0000	IN.YC
							ZMRP	190.7500	IN.ZC
							SCALE	.0400	

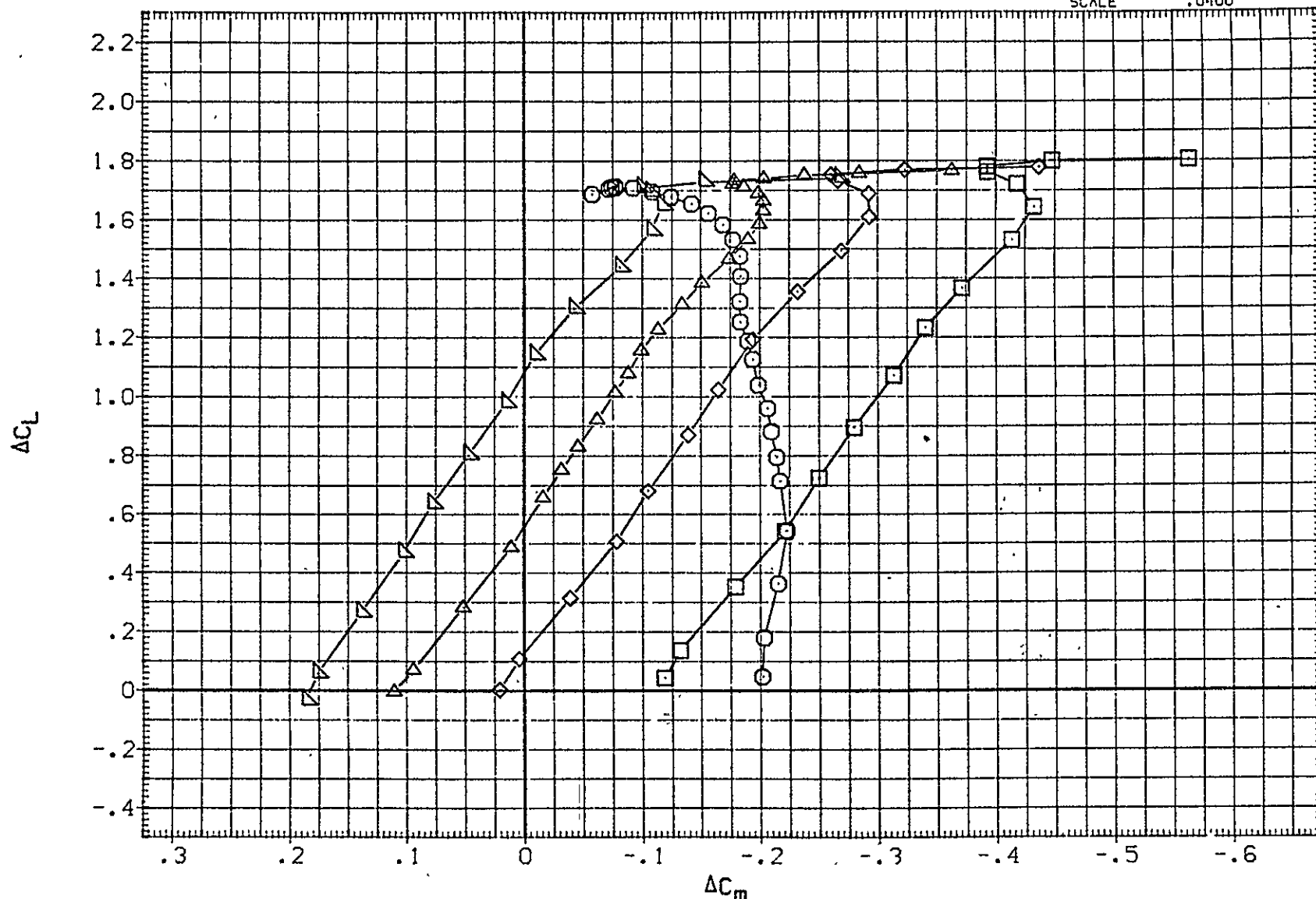


FIG 158 ALT CONFIG. STABILIZER EFFECTIVENESS, FLAPS 20 IORB=8. TC ON, ELEV=-5
CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(UJF087)	○	(CA-8) K3V9.1.2TS5 F20TS401
(UJF088)	□	(CA-8) K3V9.1.2TS5H15.6.1F20TS401
(UJF089)	△	(CA-8) K3V9.1.2TS5H15.6.1F20TS401
(UJF091)	×	(CA-8) K3V9.1.2TS5H15.6.1F20TS401
(UJF090)	◇	(CA-8) K3V9.1.2TS5H15.6.1F20TS401

ELEVTR	STAB	BDFLAP	BFTA
		-11.700	.000
.000	3.000	-11.700	.000
.000	.000	-11.700	.000
.000	-2.000	-11.700	.000
.000	-4.000	-11.700	.000

REFERENCE INFORMATION		
SREF	5500.0000	SQ.FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMRP	1339.9100	IN.XC
YMRP	.0000	IN.YC
ZMRP	190.7500	IN.ZC
SCALE	.0400	

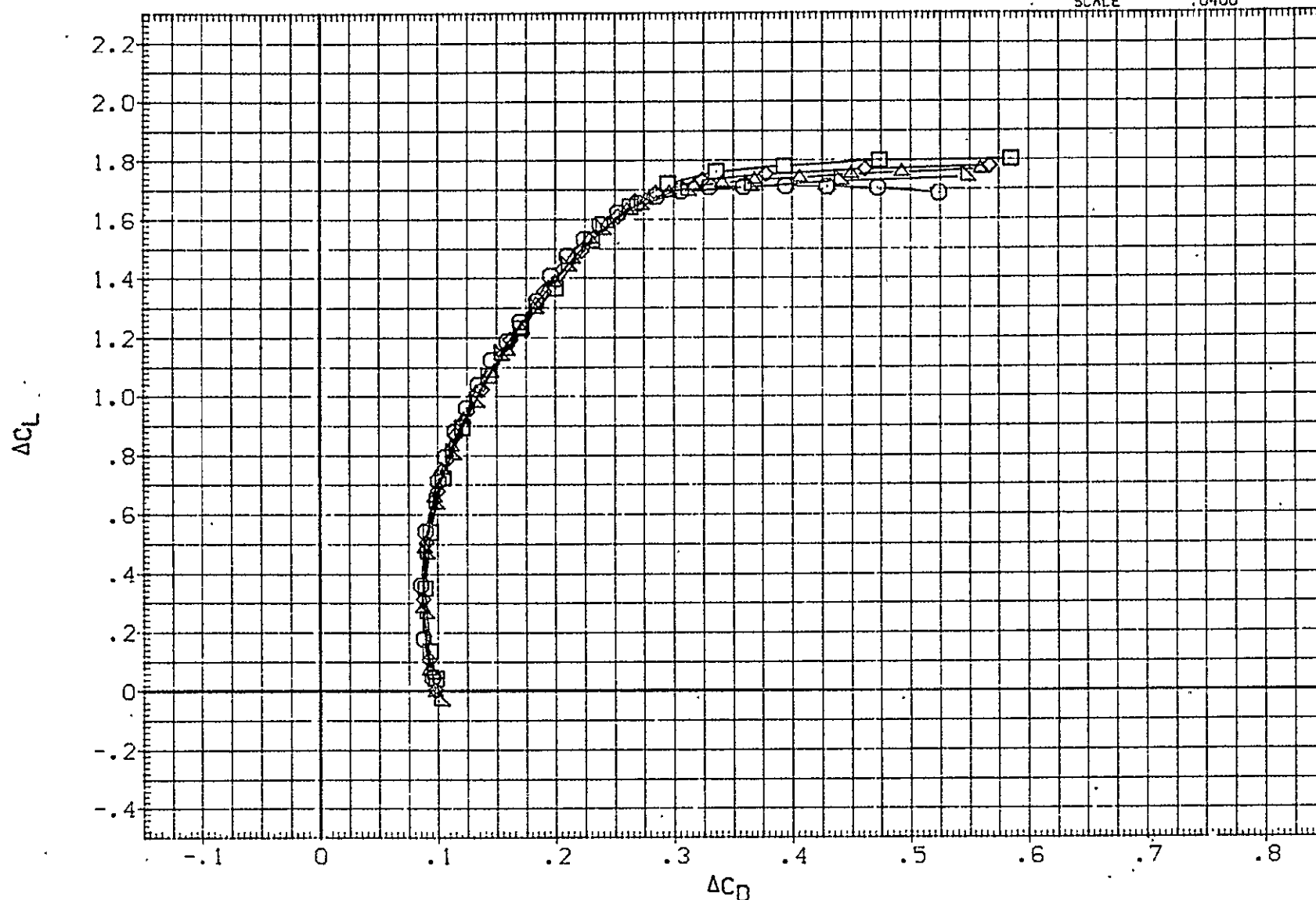


FIG 158 ALT CONFIG. STABILIZER EFFECTIVENESS, FLAPS 20 IORB=8, TC ON, ELEV=-5
CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), ALPHA SWEEPS

(A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(UJF091)	○	(CA-8) K3V9.1.2TS5H15.6.1F20TS401
(UJF092)	□	(CA-8) K3V9.1.2TS5H15.6.1F20TS401

ELEVTR	STAB	BDFLAP	BFTA
.000	-2.000	-11.700	.000
-23.000	-2.000	-11.700	.000

REFERENCE INFORMATION		
SREF	5500.0000	SQ.FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMRP	1339.9100	IN.XC
YMRP	.0000	IN.YC
ZMRP	190.7500	IN.ZC
SCALE	.0400	

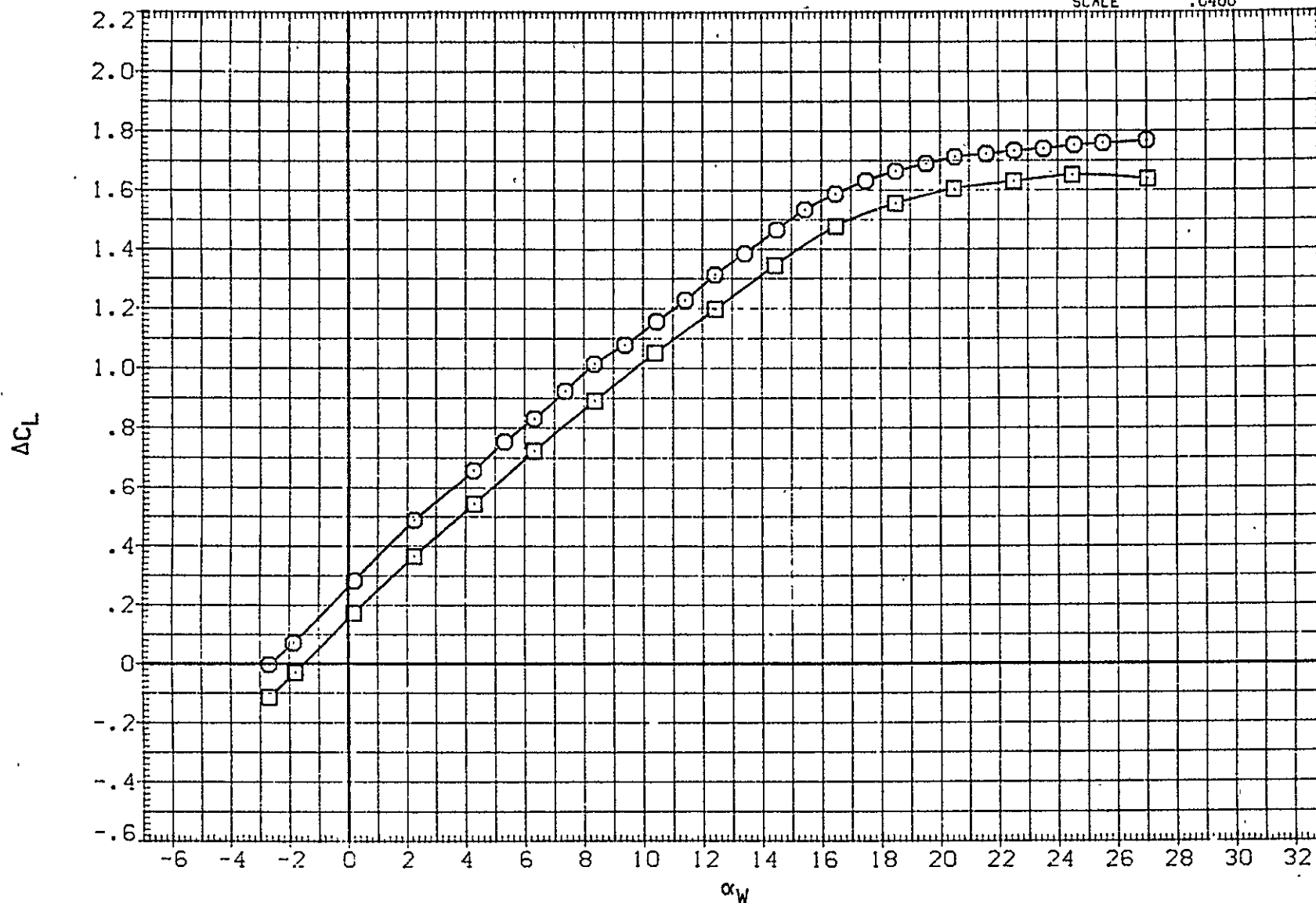


FIG 159 ALT CONFIG. ELEVATOR EFFECTIVENESS. FLAPS 20 IORB=8, TC ON, ELEV=-5
CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), ALPHA SWEEPS

(A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(UJF091)	○	(CA-8) K3V9.1.2TS5H15.6.1F20TS401
(UJF092)	□	(CA-8) K3V9.1.2TS5H15.6.1F20TS401

ELEVTR	STAB	BDFLAP	BETA
.000	-2.000	-11.700	.000
-23.000	-2.000	-11.700	.000

REFERENCE INFORMATION		
SREF	5500.0000	50.FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMRP	1339.9100	IN.XC
YMRP	.0000	IN.YC
ZMRP	190.7500	IN.ZC
SCALE	.0400	

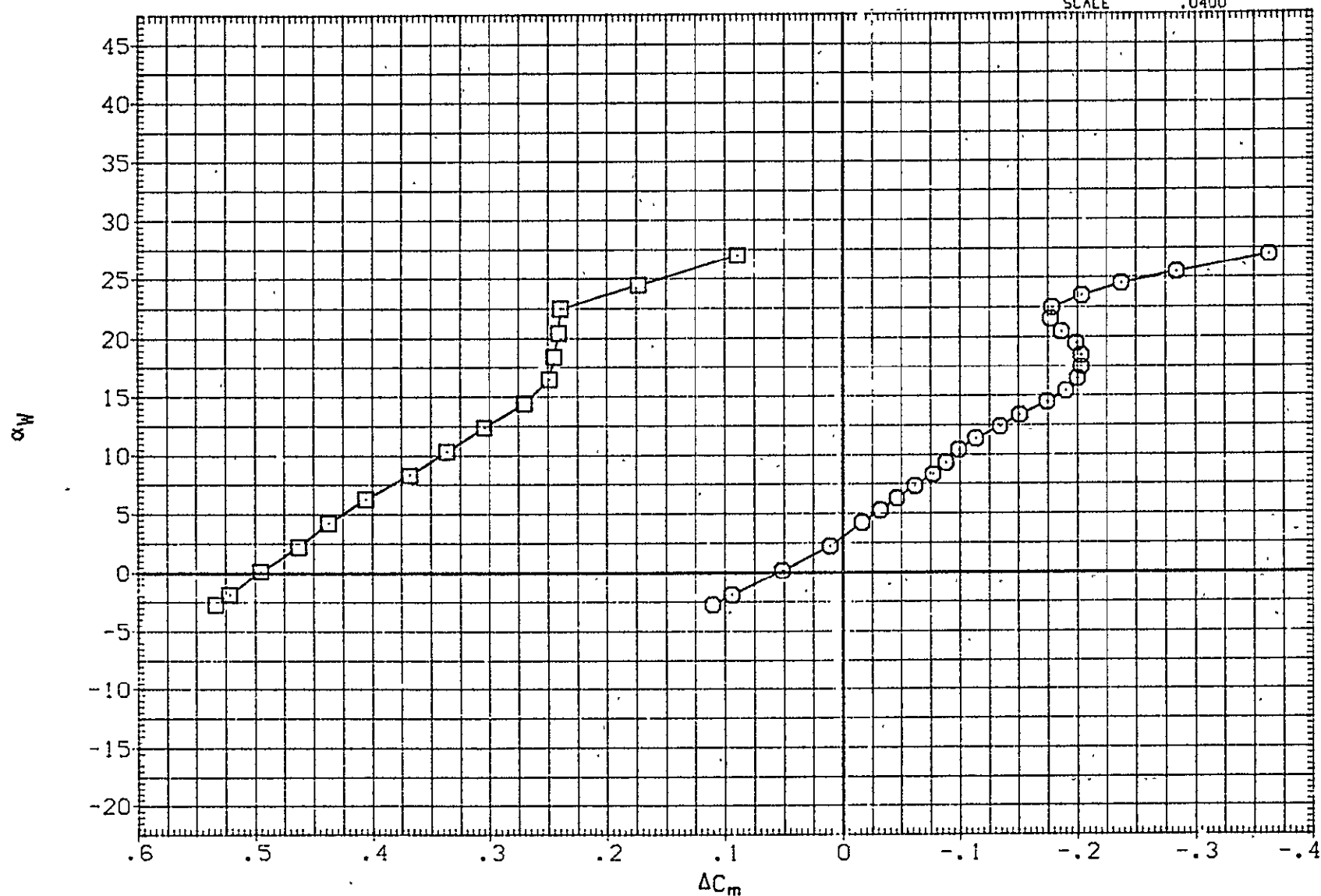


FIG 159 ALT CONFIG. ELEVATOR EFFECTIVENESS, FLAPS 20 IORB=8, TC ON, ELEV=-5
CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), ALPHA SWEEPS

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(UJF091)	○	(CA-8) K3V9.1.2TS5H15.6.1F20TS401
(UJF092)	□	(CA-8) K3V9.1.2TS5H15.6.1F20TS401

ELEVTR	STAB	BDFLAP	BETA
.000	-2.000	-11.700	.000
-23.000	-2.000	-11.700	.000

REFERENCE INFORMATION		
SREF	5500.0000	SQ.FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMRP	1339.9100	IN.XC
YMRP	.0000	IN.YC
ZMRP	190.7500	IN.ZC
SCALE	.0400	

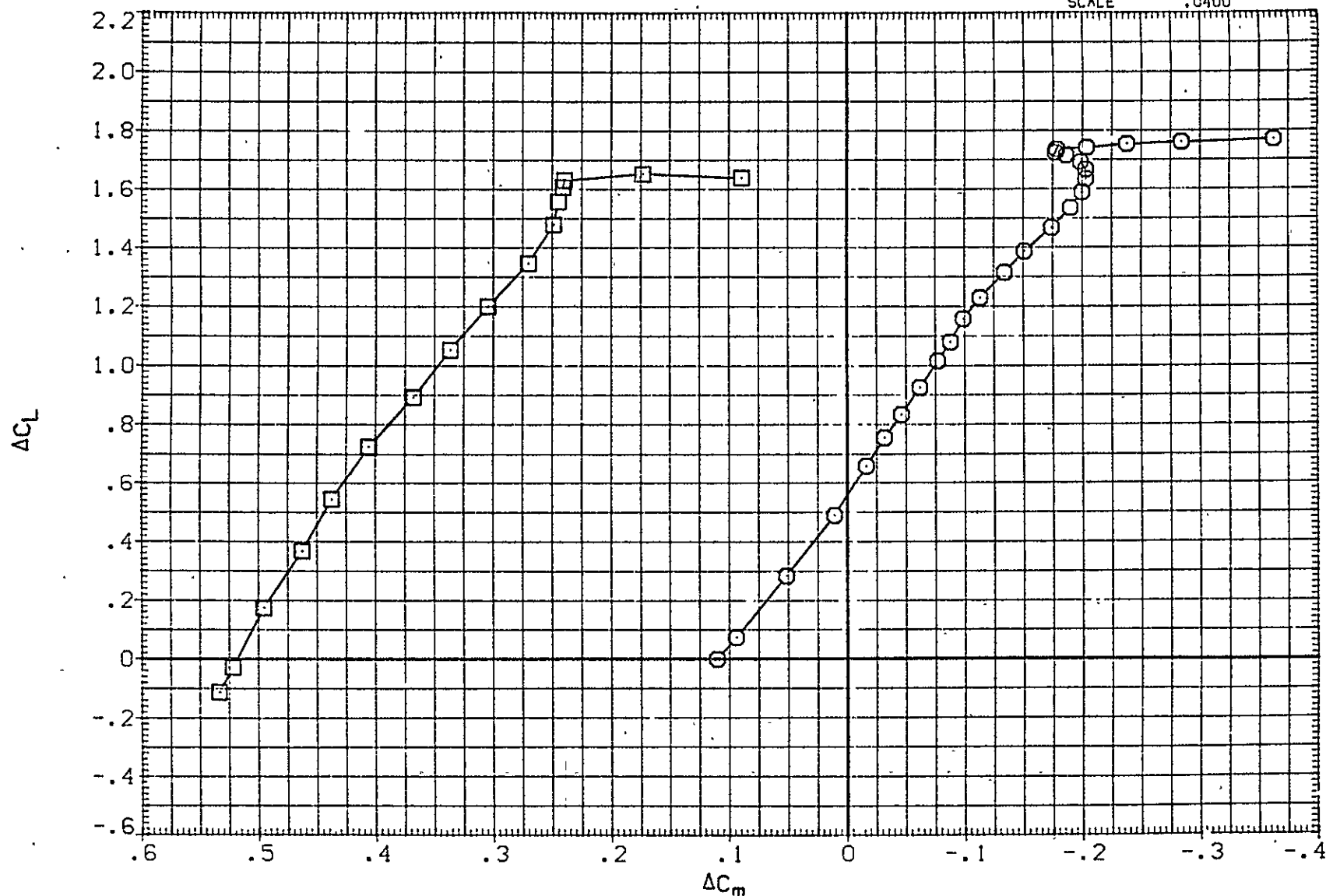


FIG 159 ALT CONFIG. ELEVATOR EFFECTIVENESS, FLAPS 20 10RB=8, TC ON, ELEV=-5
 CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), ALPHA SWEEPS
 (A)MACH = .15 PAGE 548

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(UJF091)	○	(CA-8) K3V9.1.2TS5H15.6.1F20TS401
(UJF092)	□	(CA-8) K3V9.1.2TS5H15.6.1F20TS401

ELEVTR	STAB	BDFLAP	BETA
.000	-2.000	-11.700	.000
-23.000	-2.000	-11.700	.000

REFERENCE INFORMATION		
SREF	5500.0000	SQ.FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMRP	1339.9100	IN.XC
YMRP	.0000	IN.YC
ZMRP	190.7500	IN.ZC
SCALE	.0400	

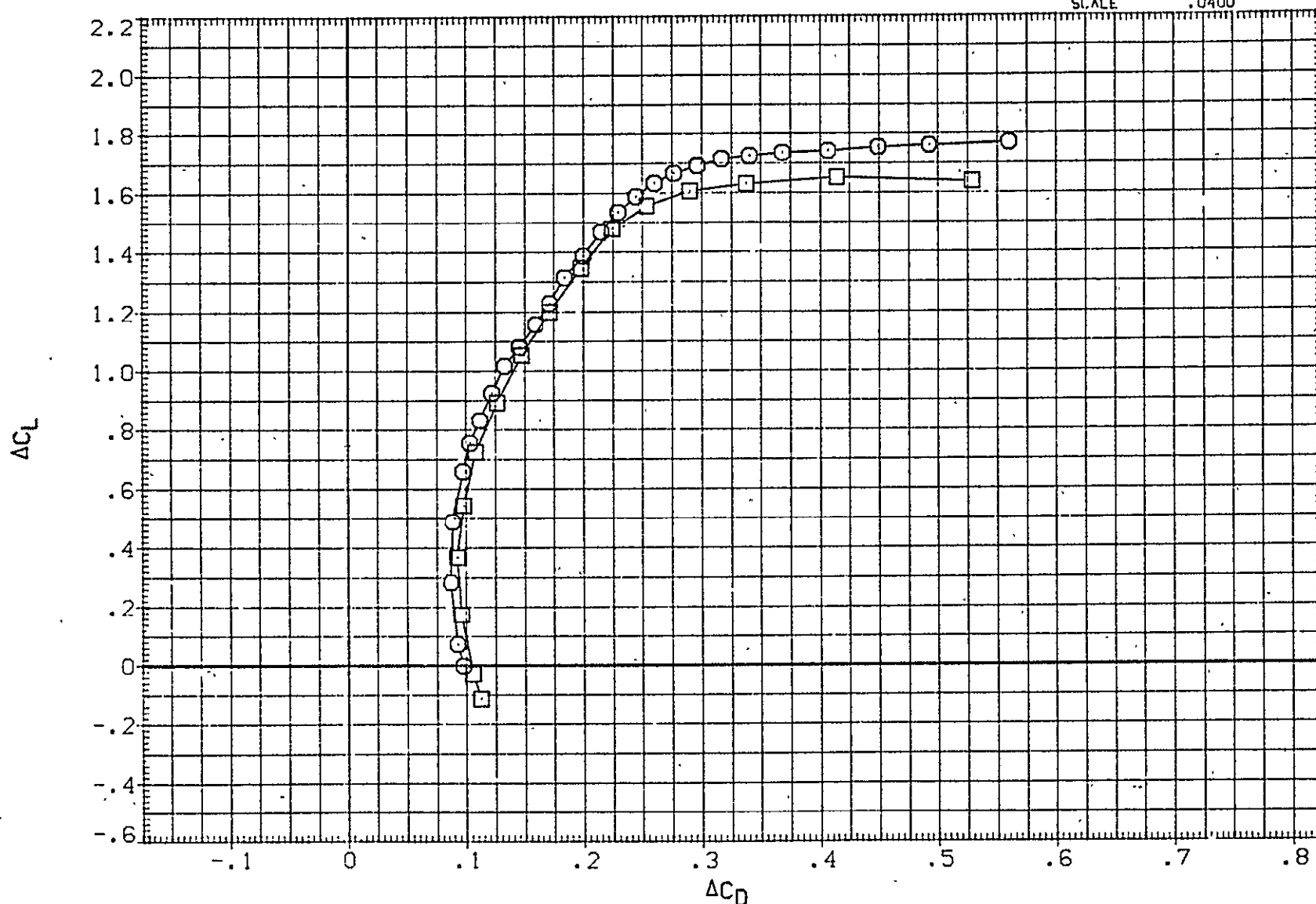


FIG 159 ALT CONFIG. ELEVATOR EFFECTIVENESS, FLAPS 20 IORB=8, TC ON, ELEV=-5
CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BETA	REFERENCE INFORMATION		
(UJF057)	○	(CA-8) K3V9.1.2TS5 F30G5.3.5TS401				.000	SREF	5500.0000	SQ.FT.
(UJF059)	□	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	.000	.000	-11.700	.000	LREF	327.8000	IN.
(UJF060)	◇	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	.000	-2.000	-11.700	.000	BREF	2348.0000	IN.
(UJF058)	△	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	.000	-4.000	-11.700	.000	XMRP	1339.9100	IN.XC
							YMRP	.0000	IN.YC
							ZMRP	190.7500	IN.ZC
							SCALE	.0400	

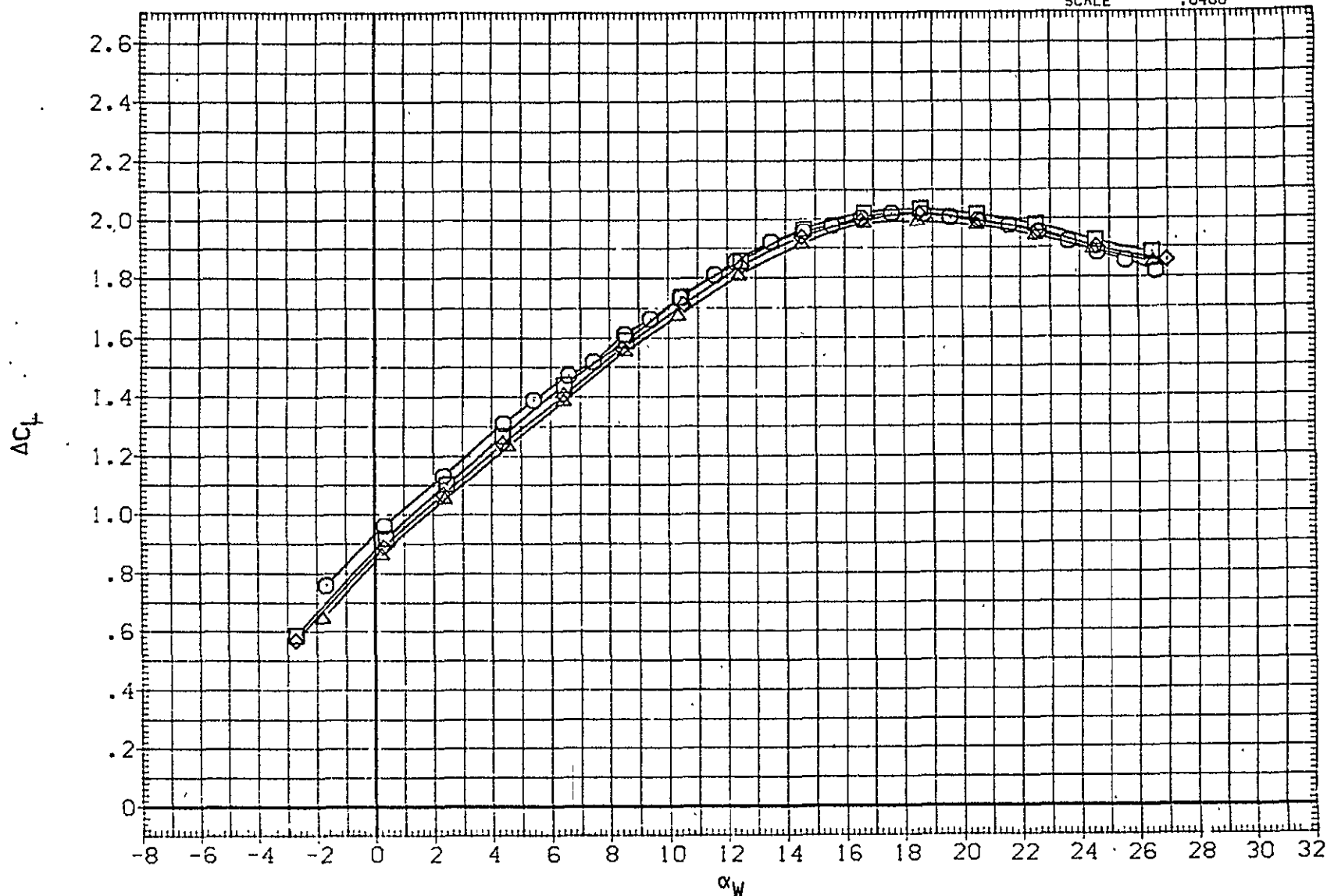


FIG 160 ALT CONFIG. STABILIZER EFFECTIVENESS, FLAPS 30 IORB=8, TC ON, ELEV=-5
CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BFTA	REFERENCE INFORMATION		
(UJF057)	○	(CA-8) K3V9.1.2TS5 F30G5.3.5TS401				.000	SREF	5500.0000	SQ.FT.
(UJF059)	□	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	.000	.000	-11.700	.000	LREF	327.8000	IN.
(UJF060)	◇	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	.000	-2.000	-11.700	.000	BREF	2348.0000	IN.
(UJF058)	△	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	.000	-4.000	-11.700	.000	XMRP	1339.9100	IN.XC
							YMRP	.0000	IN.YC
							ZMRP	190.7500	IN.ZC
							SCALE	.0400	

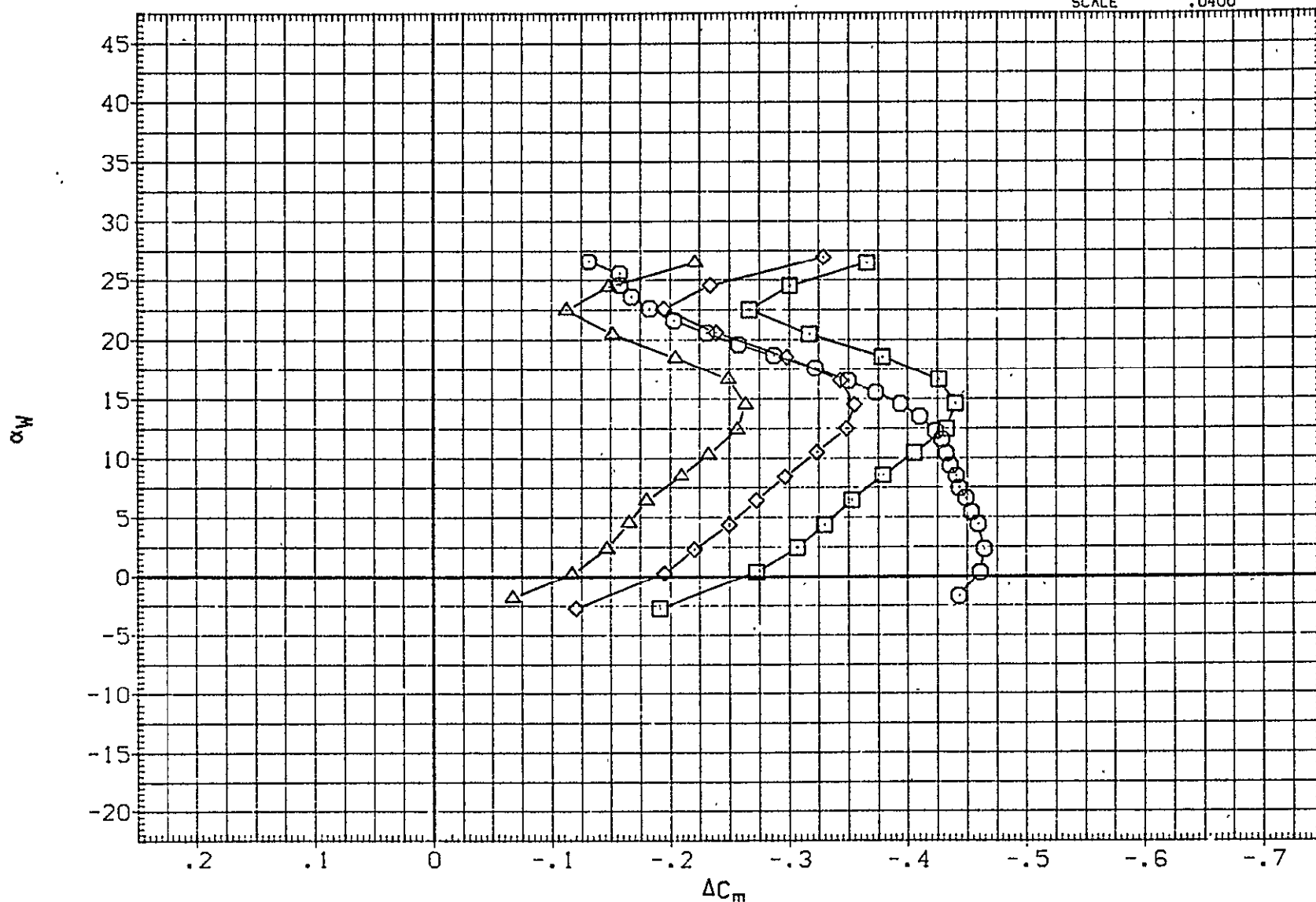


FIG 160 ALT CONFIG. STABILIZER EFFECTIVENESS, FLAPS 30 10RB=8, TC ON. ELEV=-5
CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BOFLAP	BETA	REFERENCE INFORMATION		
(UJF057)	○	(CA-8) K3V9.1.2TS5 F30G5.3.5TS401				.000	SREF	5500.0000	50. FT.
(UJF059)	□	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	.000	.000	-11.700	.000	LREF	327.8000	IN.
(UJF060)	◇	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	.000	-2.000	-11.700	.000	BPEF	2348.0000	IN.
(UJF058)	△	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	.000	-4.000	-11.700	.000	XMRP	1339.9100	IN. XC
							YMRP	.0000	IN. YC
							ZMRP	190.7500	IN. ZC
							SCALE	.0400	

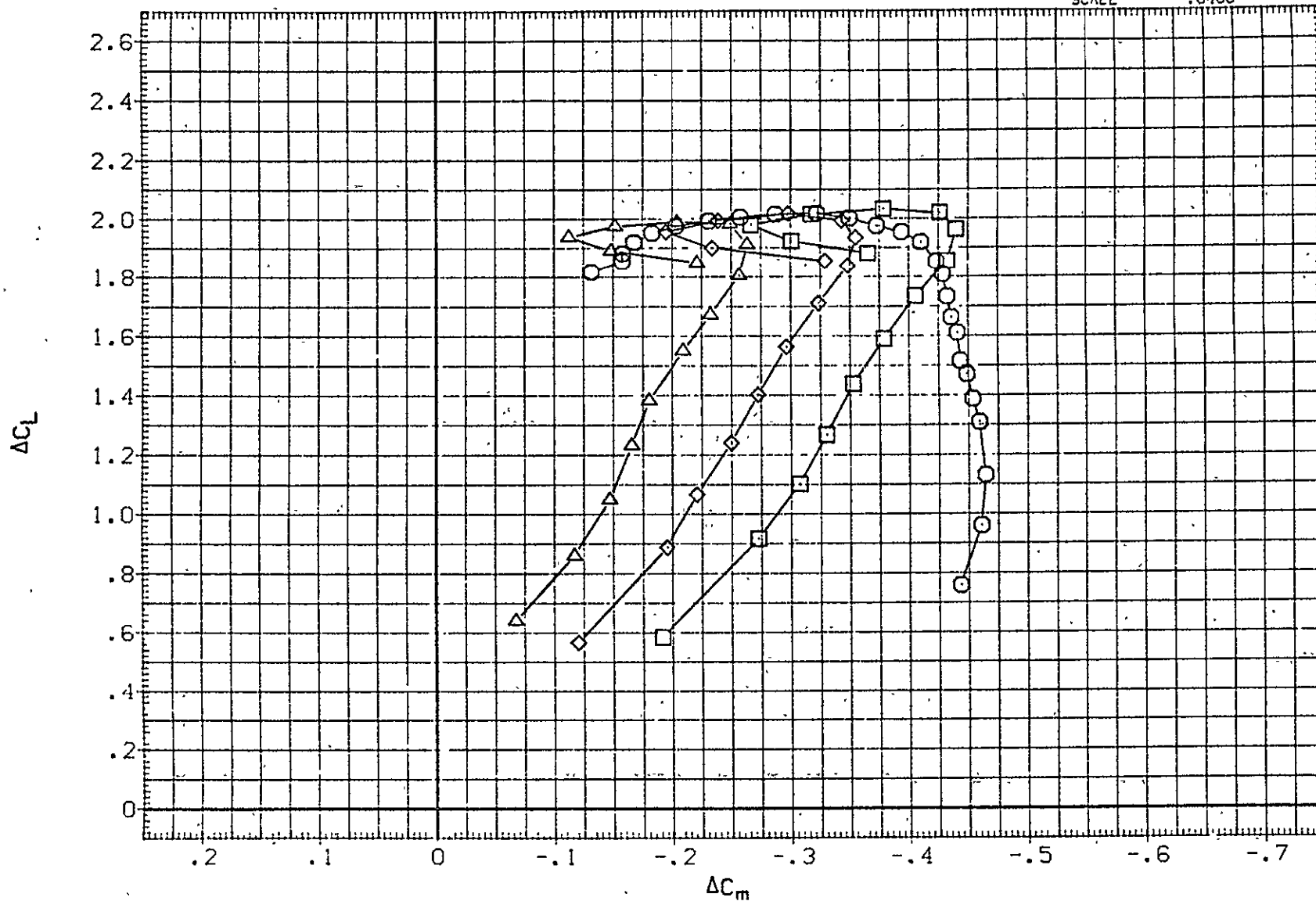


FIG 160 ALT CONFIG. STABILIZER EFFECTIVENESS, FLAPS 30 IORB=8, TC ON, ELEV=-5
CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), ALPHA SWEEPS

(A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BFTA	REFERENCE INFORMATION		
(UJF057)	○	(CA-8) K3V9.1.2TS5 F30G5.3.5TS401				.000	SREF	5500.0000	SQ.FT.
(UJF059)	□	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	.000	.000	-11.700	.000	LREF	327.8000	IN.
(UJF060)	◇	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	.000	-2.000	-11.700	.000	BREF	2348.0000	IN.
(UJF058)	△	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	.000	-4.000	-11.700	.000	XMRP	1339.9100	IN. XL
							YMRP	.0000	IN. YC
							ZMRP	190.7500	IN. ZC
							SCALE	.0400	

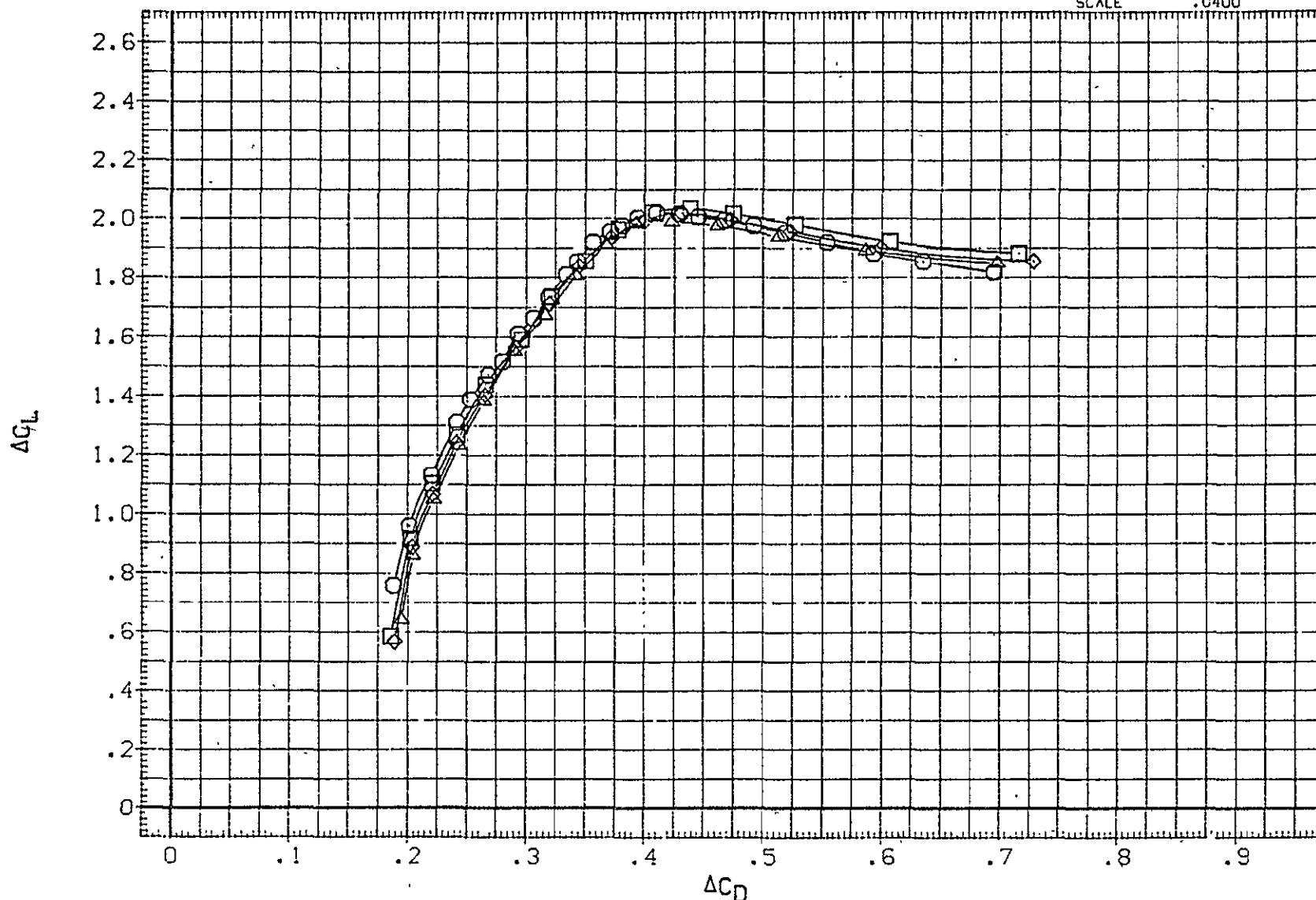


FIG 160 ALT CONFIG. STABILIZER EFFECTIVENESS. FLAPS 30 IORB=8, TC ON, ELEV=-5
CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), ALPHA SWEEPS

(A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BOFLAP	BFTA	REFERENCE INFORMATION		
(UJF061)	○	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	17.000	-2.000	-11.700	.000	SREF	5500.0000	SQ.FT.
(UJF060)	□	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	.000	-2.000	-11.700	.000	LREF	327.8000	IN.
(UJF062)	◇	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	-23.000	-2.000	-11.700	.000	BREF	2348.0000	IN.
							XMRP	1339.9100	IN. XC
							YMRP	.0000	IN. YC
							ZMRP	190.7500	IN. ZC
							SCALE	.0400	

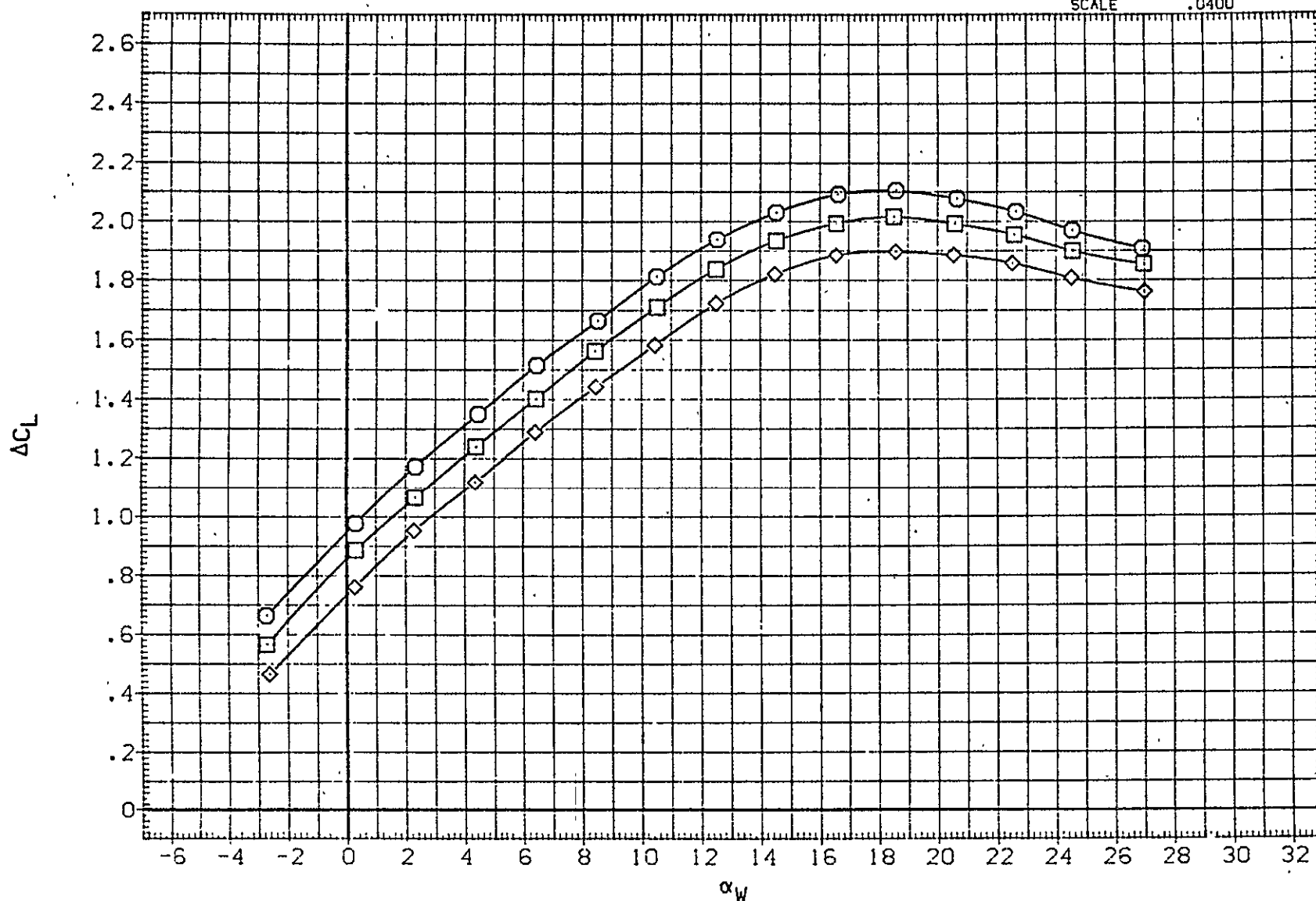


FIG 161 ALT CONFIG. ELEVATOR EFFECTIVENESS. FLAPS 30 IORB=8. TC ON. ELEV=-5
CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), ALPHA SWEEPS

(A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
{UJF061}	○	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401
{UJF060}	□	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401
{UJF062}	◇	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401

ELEVTR	STAB	BDFLAP	BETA
17.000	-2.000	-11.700	.000
.000	-2.000	-11.700	.000
-23.000	-2.000	-11.700	.000

REFERENCE INFORMATION		
SREF	5500.0000	SQ.FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMRP	1339.9100	IN.XC
YMRP	.0000	IN.YC
ZMRP	190.7500	IN.ZC
SCALE	.0400	

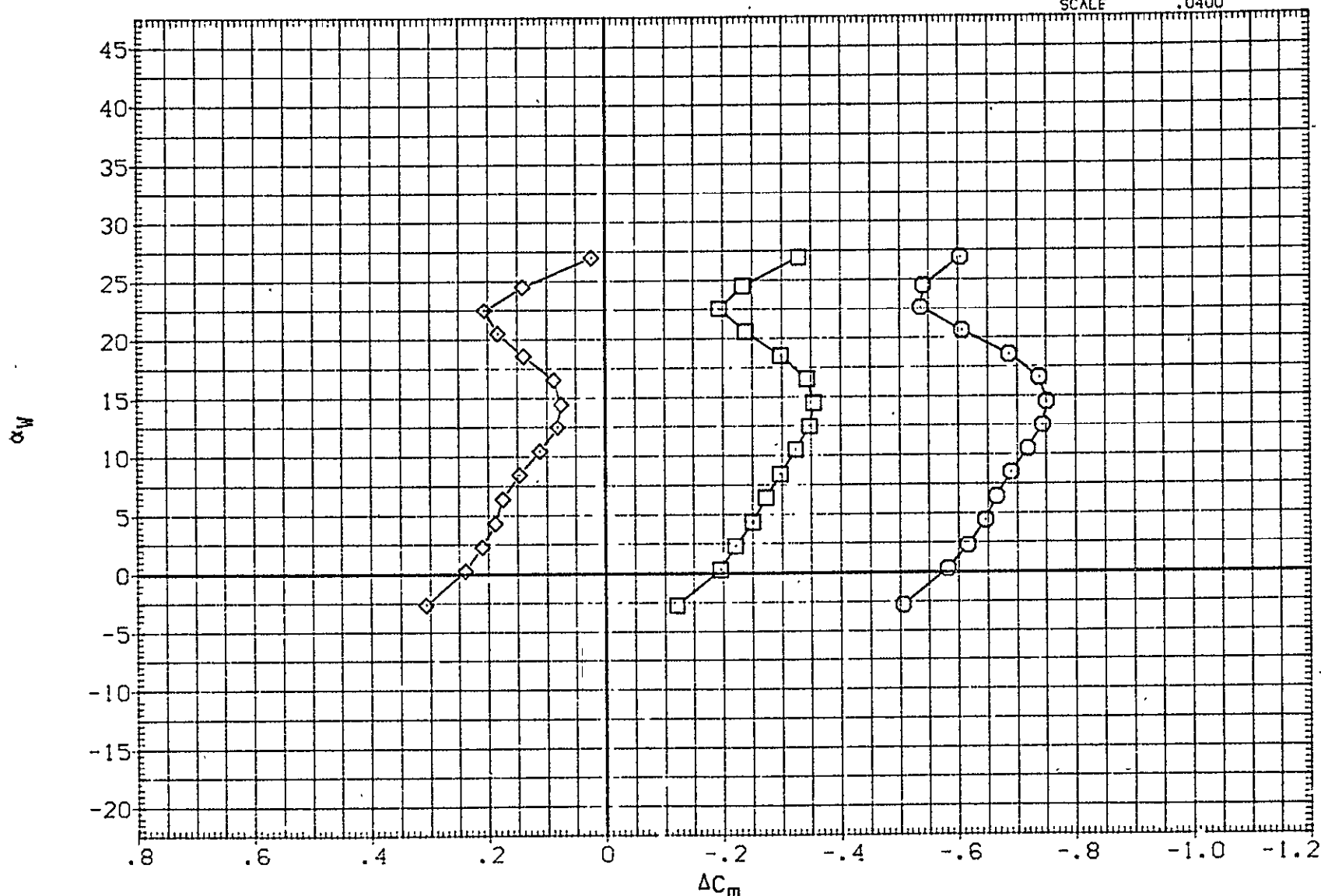


FIG 161 ALT CONFIG. ELEVATOR EFFECTIVENESS, FLAPS 30 IORB=8, TC ON, ELEV=-5
CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), ALPHA SWEEPS

(A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BETA	REFERENCE INFORMATION		
(UJF061)	○	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	17.000	-2.000	-11.700	.000	SREF	5500.0000	SQ.FT.
(UJF060)	□	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	.000	-2.000	-11.700	.000	LREF	327.8000	IN.
(UJF062)	◇	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	-23.000	-2.000	-11.700	.000	BREF	2348.0000	IN.
							XMPP	1339.9100	IN.XC
							YMPP	.0000	IN.YC
							ZMPP	190.7500	IN.ZC
							SCALE	.0400	

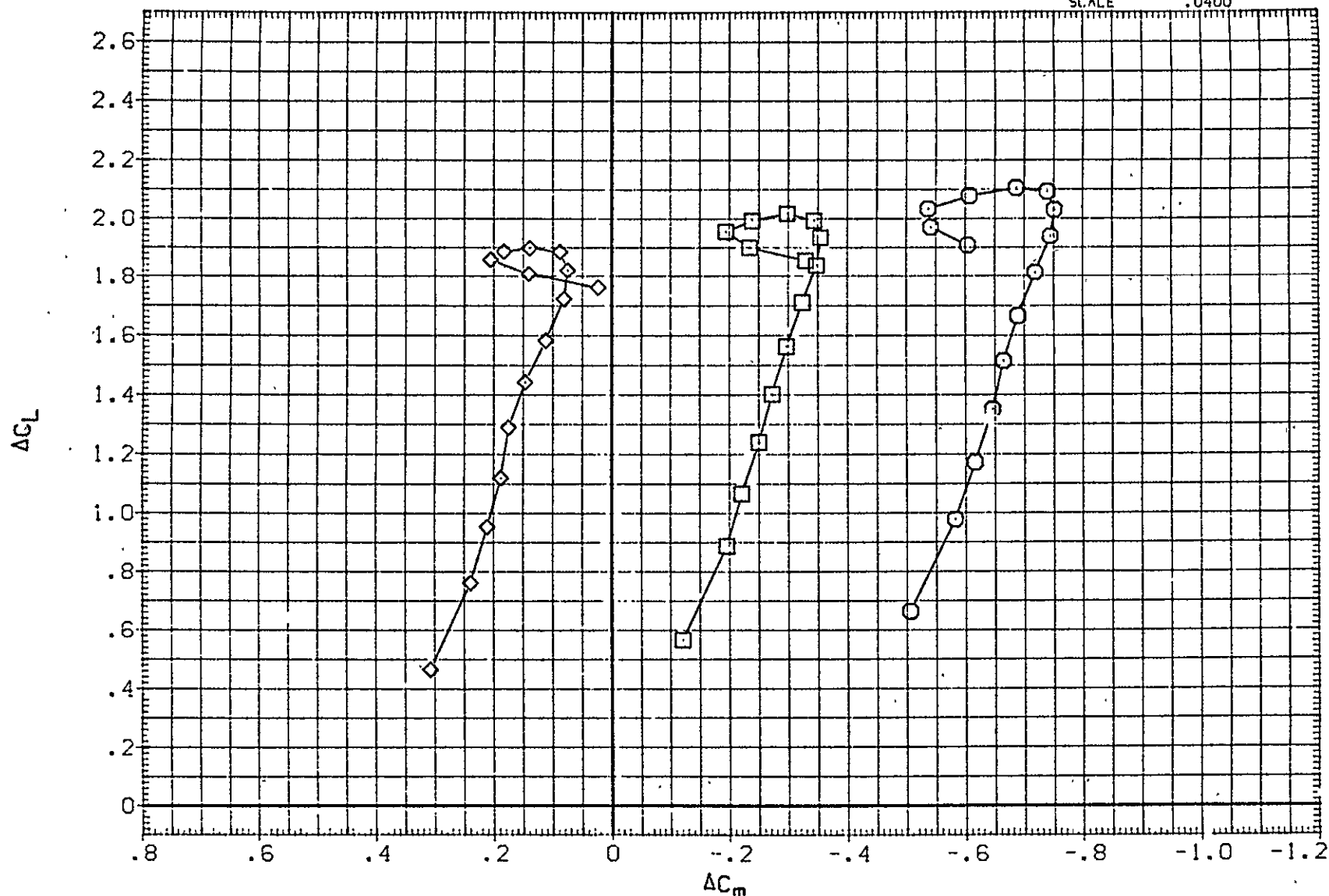


FIG 161 ALT CONFIG. ELEVATOR EFFECTIVENESS, FLAPS 30 IORB=8, TC ON, ELEV=-5
CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), ALPHA SWEEPS

(A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BOFLAP	BETA	REFERENCE INFORMATION		
(UJF061)	○	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	17.000	-2.000	-11.700	.000	SREF	5500.0000	SQ. FT.
(UJF060)	□	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	.000	-2.000	-11.700	.000	LREF	327.8000	IN.
(UJF062)	◇	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	-23.000	-2.000	-11.700	.000	BREF	2348.0000	IN.
							XMPP	1339.9100	IN. XC
							YMRP	.0000	IN. YC
							ZMRP	190.7500	IN. ZC
							SCALE	.0400	

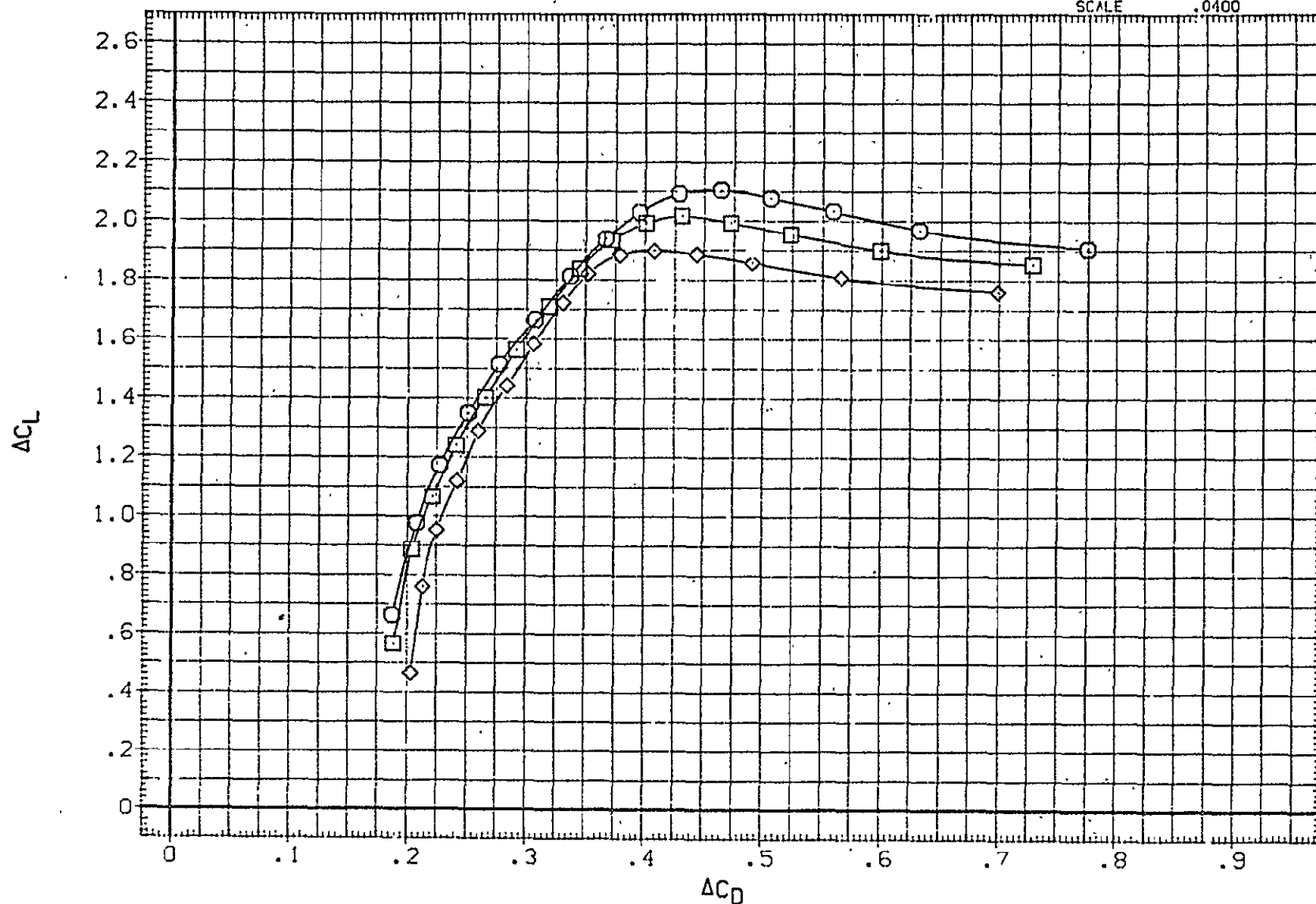


FIG 161 ALT CONFIG. ELEVATOR EFFECTIVENESS, FLAPS 30 IORB=8, TC ON, ELEV=-5
 CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), ALPHA SWEEPS
 (A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BFTA	REFERENCE INFORMATION		
(UJF114)	○	(CA-8) K3V9.1.2TS5 F10TS402			.000	.000	SREF	5500.0000	50.FT.
(UJF113)	◇	(CA-8) K3V9.1.2TS5H15.6.1F10TS402	.000	2.000	.000	.000	LREF	327.8000	IN.
(UJF111)	◇	(CA-8) K3V9.1.2TS5H15.6.1F10TS402	.000	.000	.000	.000	BREF	2348.0000	IN.
(UJF112)	△	(CA-8) K3V9.1.2TS5H15.6.1F10TS402	.000	-2.000	.000	.000	XMRP	1339.9100	IN.XC
							YMRP	.0000	IN.YC
							ZMRP	190.7500	IN.ZC
							SCALE	.0400	

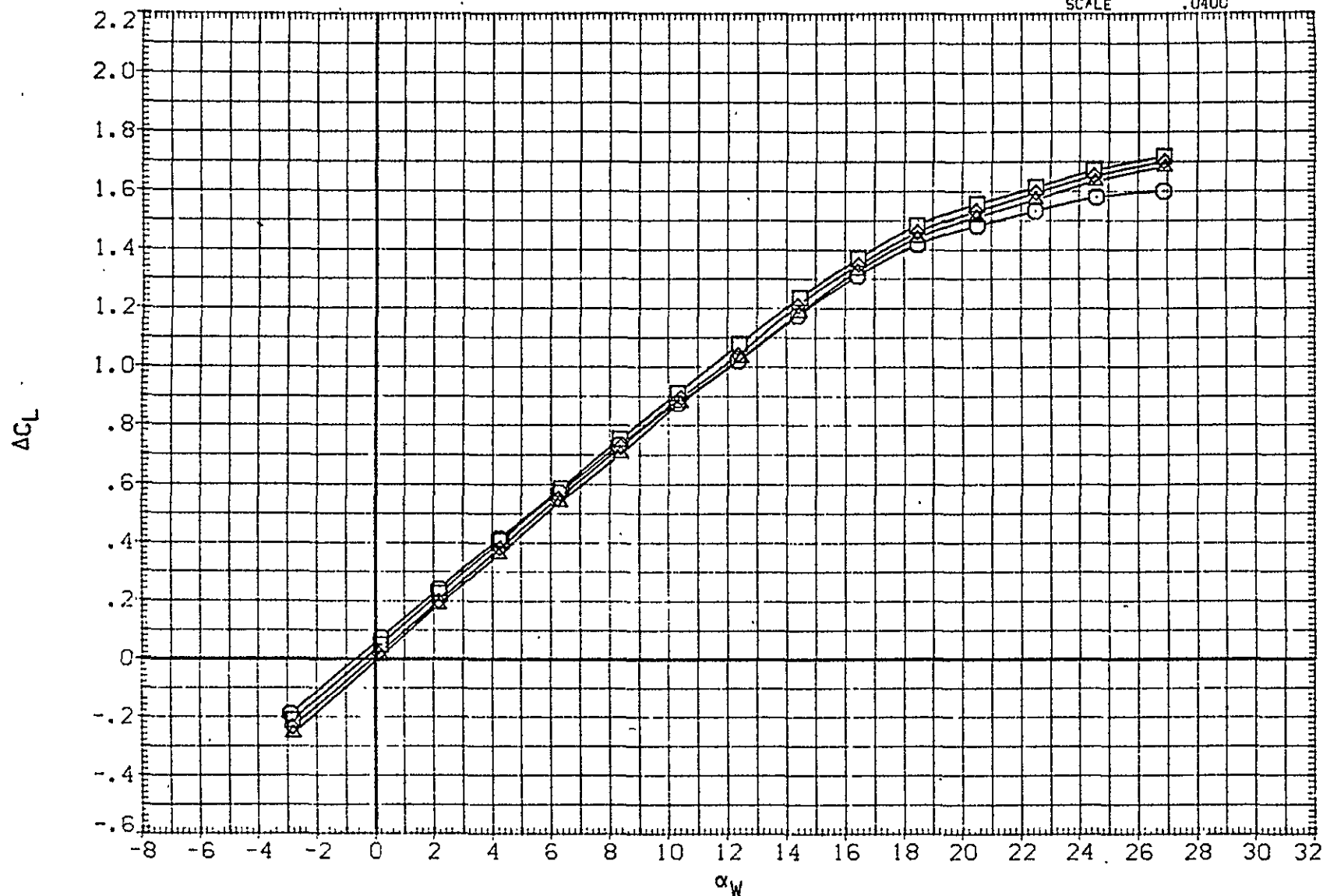


FIG 162 ALT CONFIG. STABILIZER EFFECTIVENESS. FLAPS 10 IORB=8.TC OFF, ELEV=-5
 CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), ALPHA SWEEPS
 (A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(UJF114)	○	(CA-8) K3V9.1.2TSS F10TS402
(UJF113)	□	(CA-8) K3V9.1.2TSSH15.6.1F10TS402
(UJF111)	◇	(CA-8) K3V9.1.2TSSH15.6.1F10TS402
(UJF112)	△	(CA-8) K3V9.1.2TSSH15.6.1F10TS402

ELEVTR	STAB	BOFLAP	BFTA
.000	2.000	.000	.000
.000	.000	.000	.000
.000	-2.000	.000	.000

REFERENCE INFORMATION		
SREF	5500.0000	50.FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMRP	1339.9100	IN.XC
YMRP	.0000	IN.YC
ZMRP	190.7500	IN.ZC
SCALE	.0400	

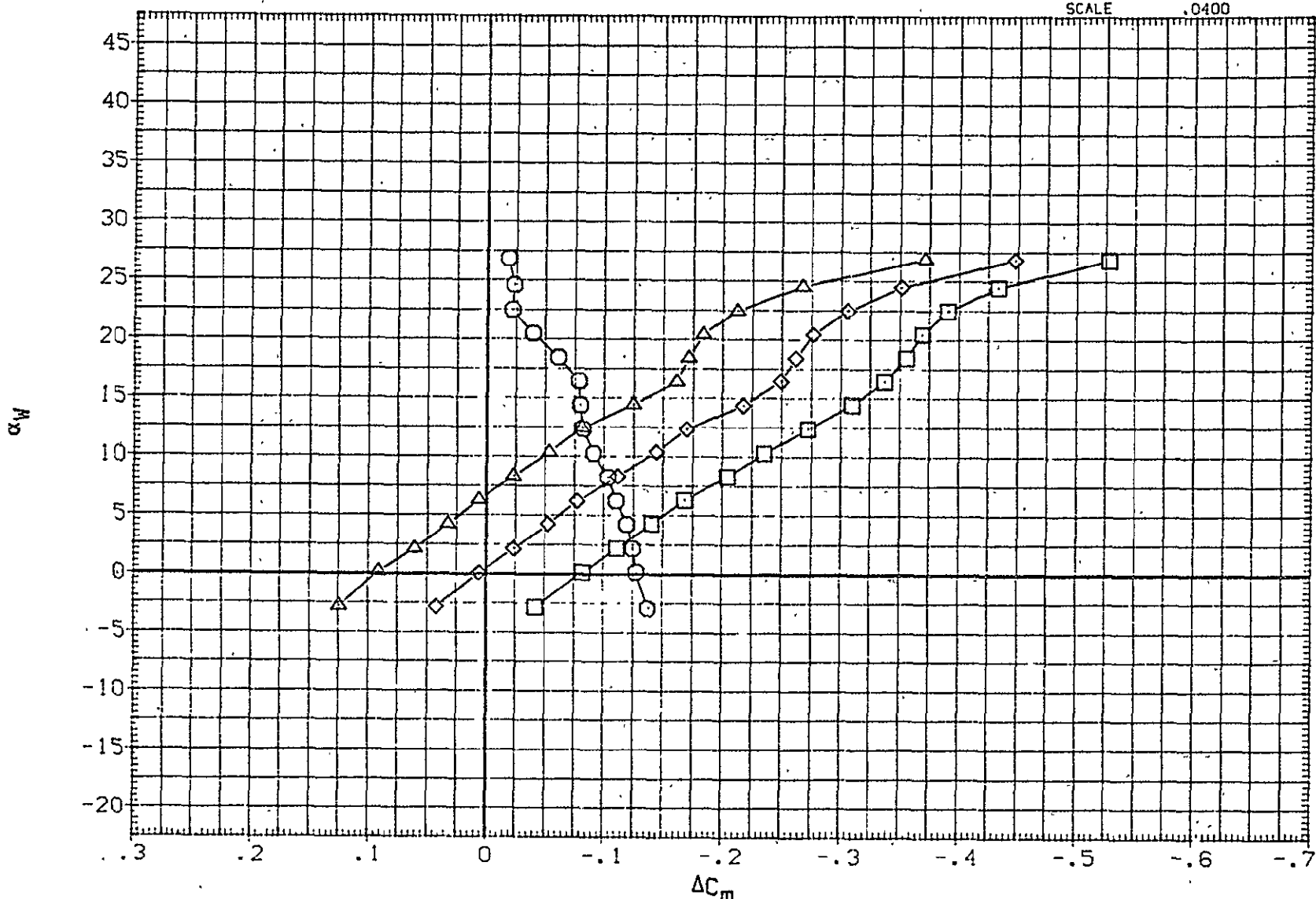


FIG 162 ALT CONFIG. STABILIZER EFFECTIVENESS. FLAPS 10 IORB=8, TC OFF, ELEV=-5. CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), ALPHA SWEEPS

(A)MACH

= .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BETA	REFERENCE INFORMATION		
{UJF114}	○	(CA-8) K3V9.1.2T55 F10TS402			.000	.000	SREF	5500.0000	SQ.FT.
{UJF113}	□	(CA-8) K3V9.1.2T55H15.6.1F10TS402	.000	2.000	.000	.000	LREF	327.8000	IN.
{UJF111}	◇	(CA-8) K3V9.1.2T55H15.6.1F10TS402	.000	.000	.000	.000	BREF	2348.0000	IN.
{UJF112}	△	(CA-8) K3V9.1.2T55H15.6.1F10TS402	.000	-2.000	.000	.000	XMRP	1339.9100	IN.XC
							YMRP	.0000	IN.YC
							ZMRP	190.7500	IN.ZC
							SCALE	.0400	

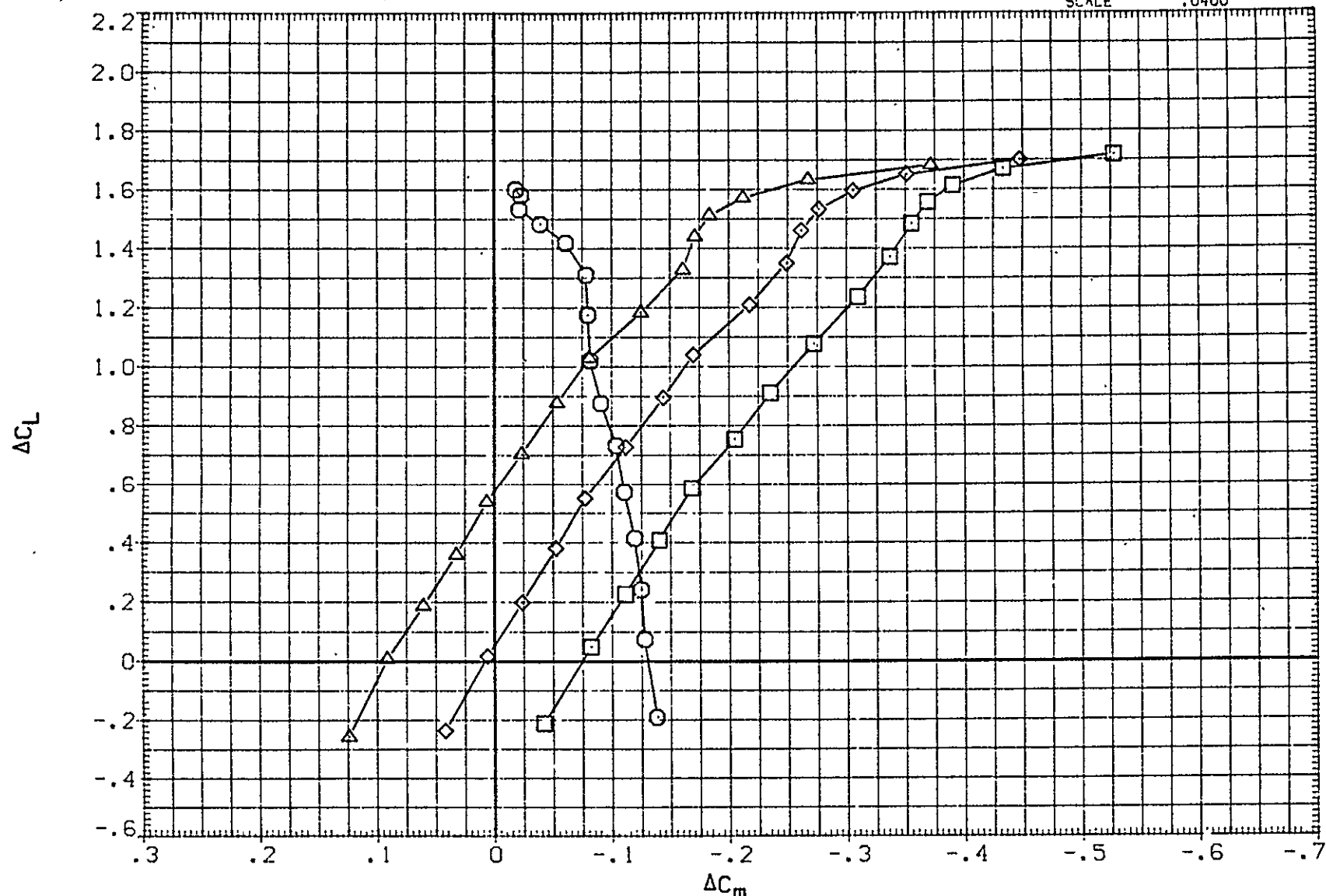


FIG 162 ALT CONFIG. STABILIZER EFFECTIVENESS, FLAPS 10 IORB=8, TC OFF, ELEV=-5
CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), ALPHA SWEEPS

(A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BETA	REFERENCE INFORMATION	
(UJF114)	○	(CA-8) K3V9.1.2TSS F10TS402			.000	.000	SREF	5500.0000 50.FT.
(UJF113)	□	(CA-8) K3V9.1.2TSSH15.6.1F10TS402	.000	2.000	.000	.000	LREF	327.8000 IN.
(UJF111)	◇	(CA-8) K3V9.1.2TSSH15.6.1F10TS402	.000	.000	.000	.000	BREF	2348.0000 IN.
(UJF112)	△	(CA-8) K3V9.1.2TSSH15.6.1F10TS402	.000	-2.000	.000	.000	XMRP	1339.9100 IN. XC
							YMRP	.0000 IN. YC
							ZMRP	190.7500 IN. ZC
							SCALE	.0400

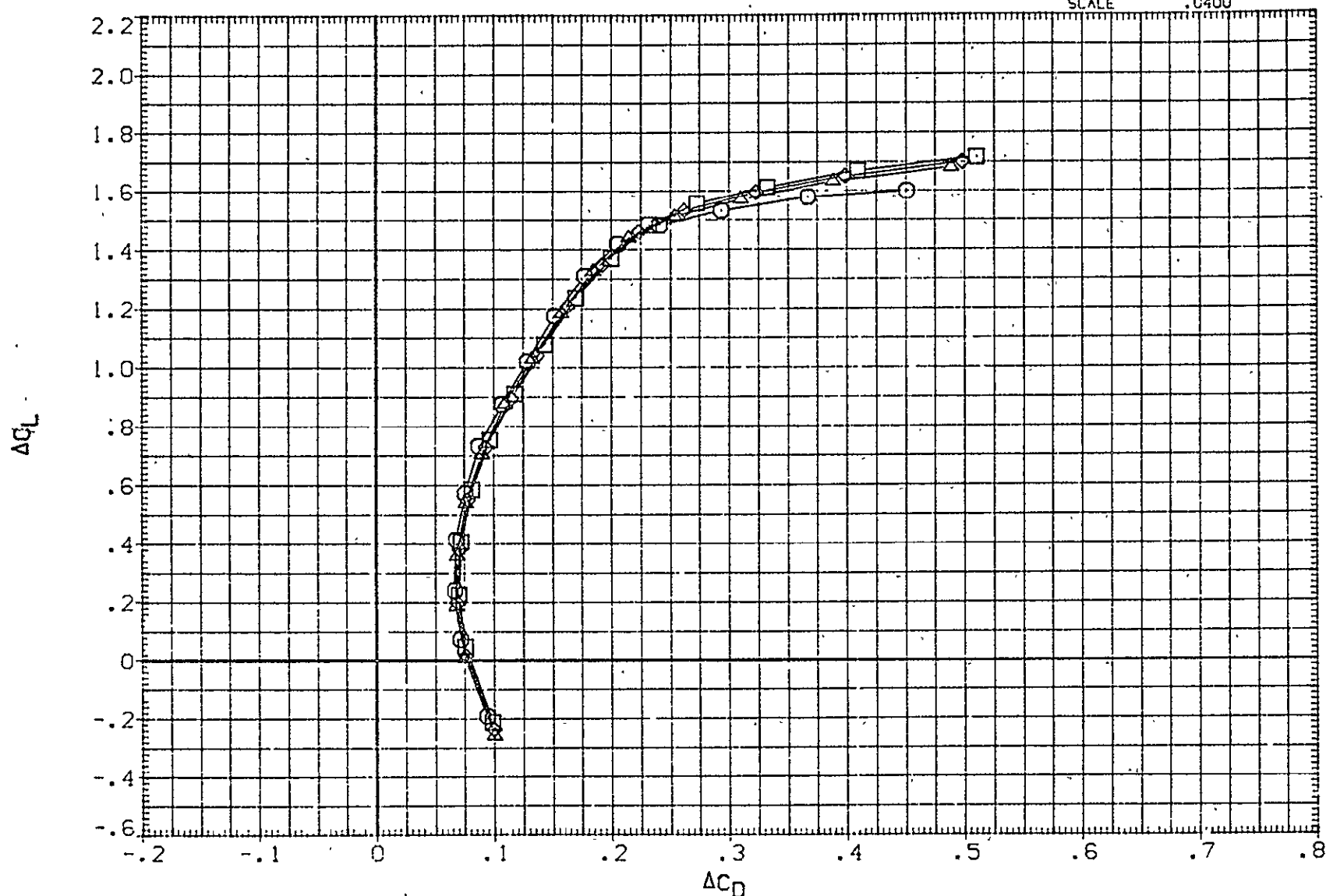


FIG 162 ALT CONFIG. STABILIZER EFFECTIVENESS. FLAPS 10 IORB=8.TC OFF, ELEV=-5
CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BFTA	REFERENCE INFORMATION		
(UJF073)	○	(CA-8) K3V9.1.2TS5 F30G5.3.5TS402			.000	.000	SREF	5500.0000	50.FT.
(UJF076)	□	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402	.000	.000	.000	.000	LREF	327.8000	IN.
(UJF075)	◇	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402	.000	-2.000	.000	.000	BPEF	2348.0000	IN.
(UJF074)	△	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402	.000	-4.000	.000	.000	XMRP	1339.9100	IN.XC
							YMRP	.0000	IN.YC
							ZMRP	190.7500	IN.ZC
							SCALE	.0400	

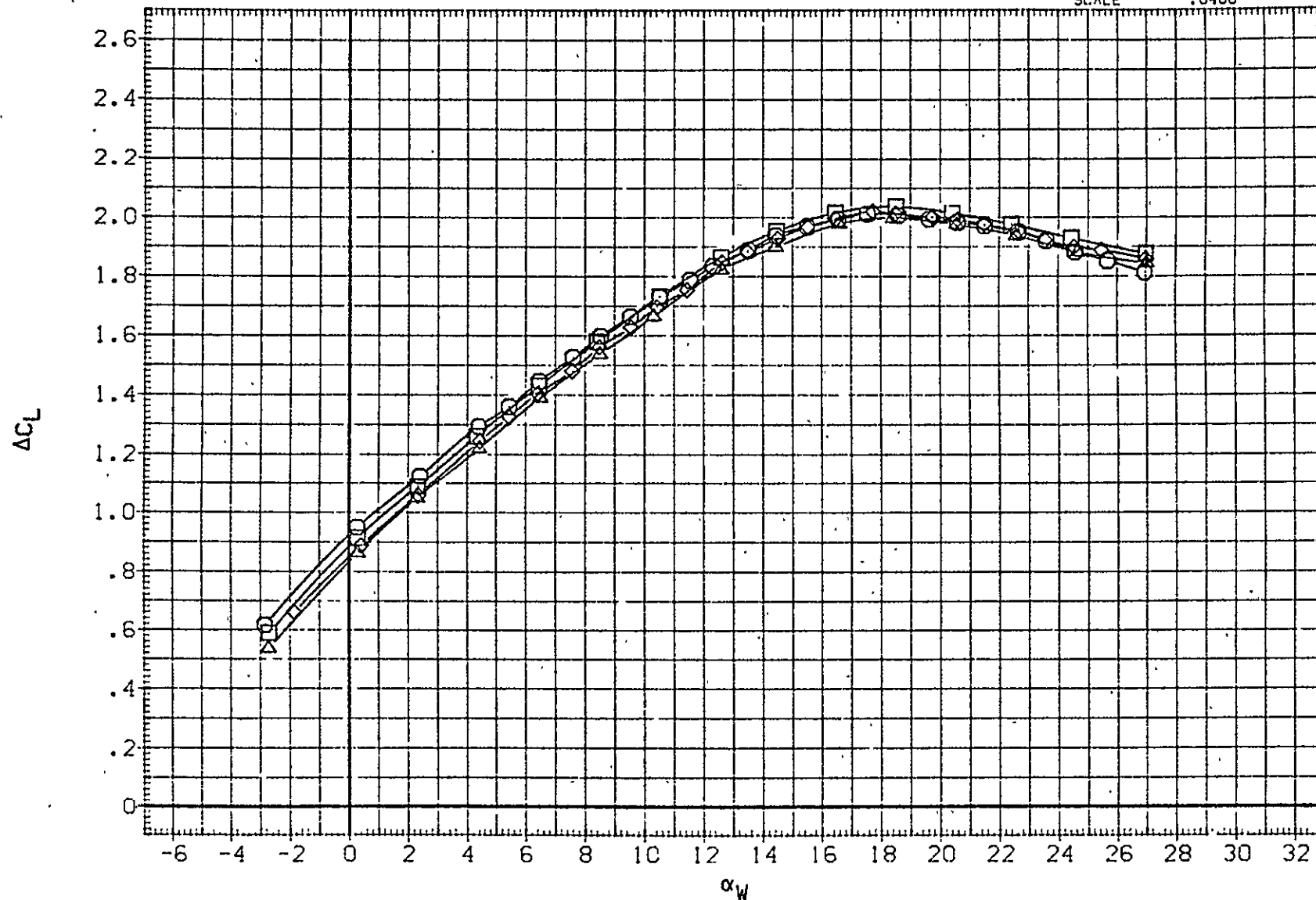


FIG 163 ALT CONFIG. STABILIZER EFFECTIVENESS. FLAPS 30 IORB=8, TC OFF, ELEV=-5
CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BETA	REFERENCE INFORMATION		
(UJF073)	○	(CA-8) K3V9.1.2TS5 F30G5.3.5TS402			.000	.000	SREF	5500.0000	50.FT.
(UJF076)	□	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402	.000	.000	.000	.000	LREF	327.8000	IN.
(UJF075)	◇	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402	.000	-2.000	.000	.000	BREF	2348.0000	IN.
(UJF074)	△	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402	.000	-4.000	.000	.000	XMRP	1339.9100	IN.XC
							YMRP	.0000	IN.YC
							ZMRP	190.7500	IN.ZC
							SCALE	.0400	

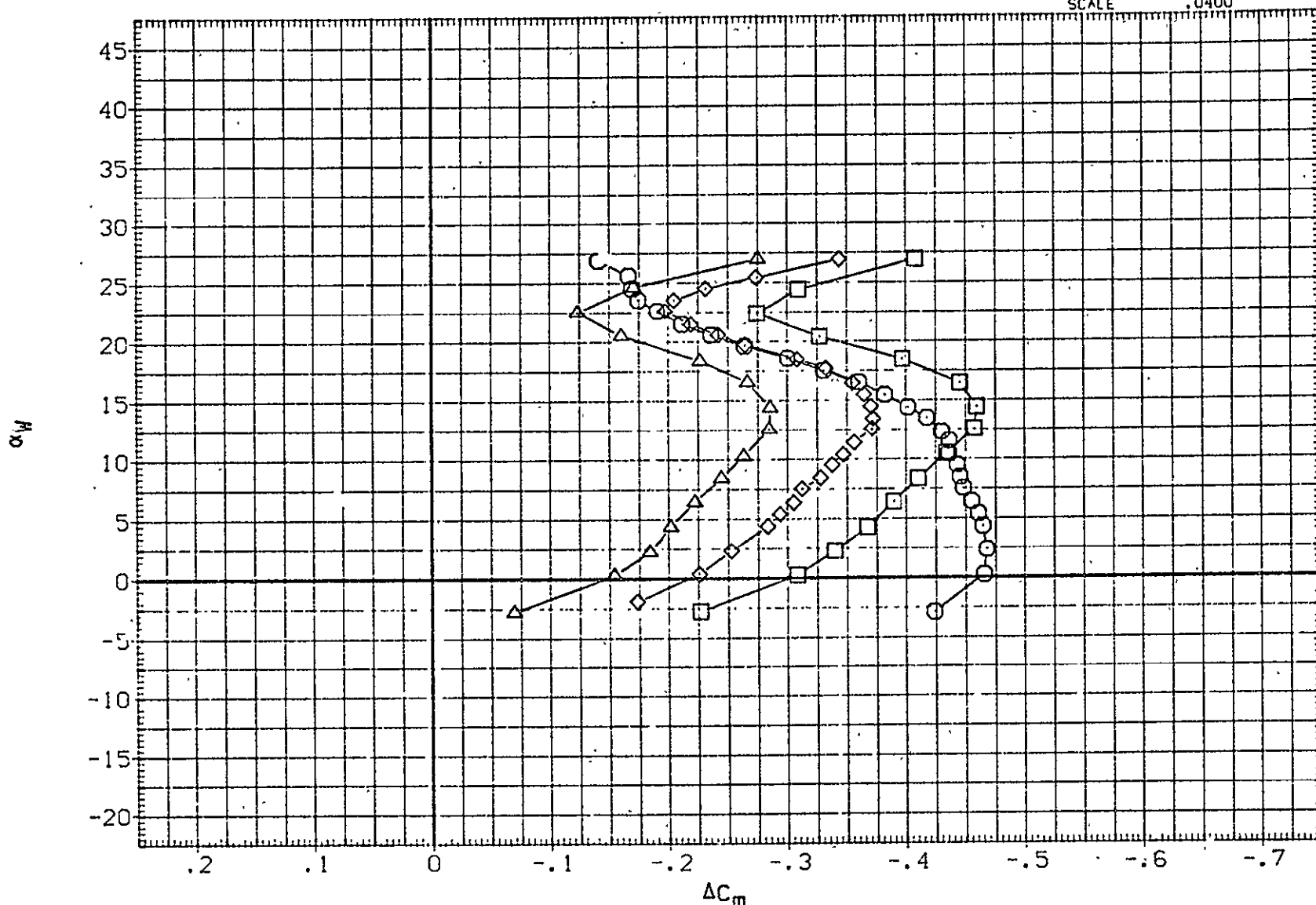


FIG 163 ALT. CONFIG. STABILIZER EFFECTIVENESS. FLAPS 30 IORB=8, TC OFF, ELEV=-5
CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE). ALPHA SWEEPS

(A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BFTA	REFERENCE INFORMATION		
(UJF073)	○	(CA-8) K3V9.1.2TS5 F30G5.3.5TS402			.000	.000	SREF	5500.0000	SQ.FT.
(UJF076)	□	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402	.000	.000	.000	.000	LREF	327.8000	IN.
(UJF075)	◇	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402	.000	-2.000	.000	.000	BREF	2348.0000	IN.
(UJF074)	△	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402	.000	-4.000	.000	.000	XMRP	1339.9100	IN.XC
							YMRP	.0000	IN.YC
							ZMRP	190.7500	IN.ZC
							SCALE	.0400	

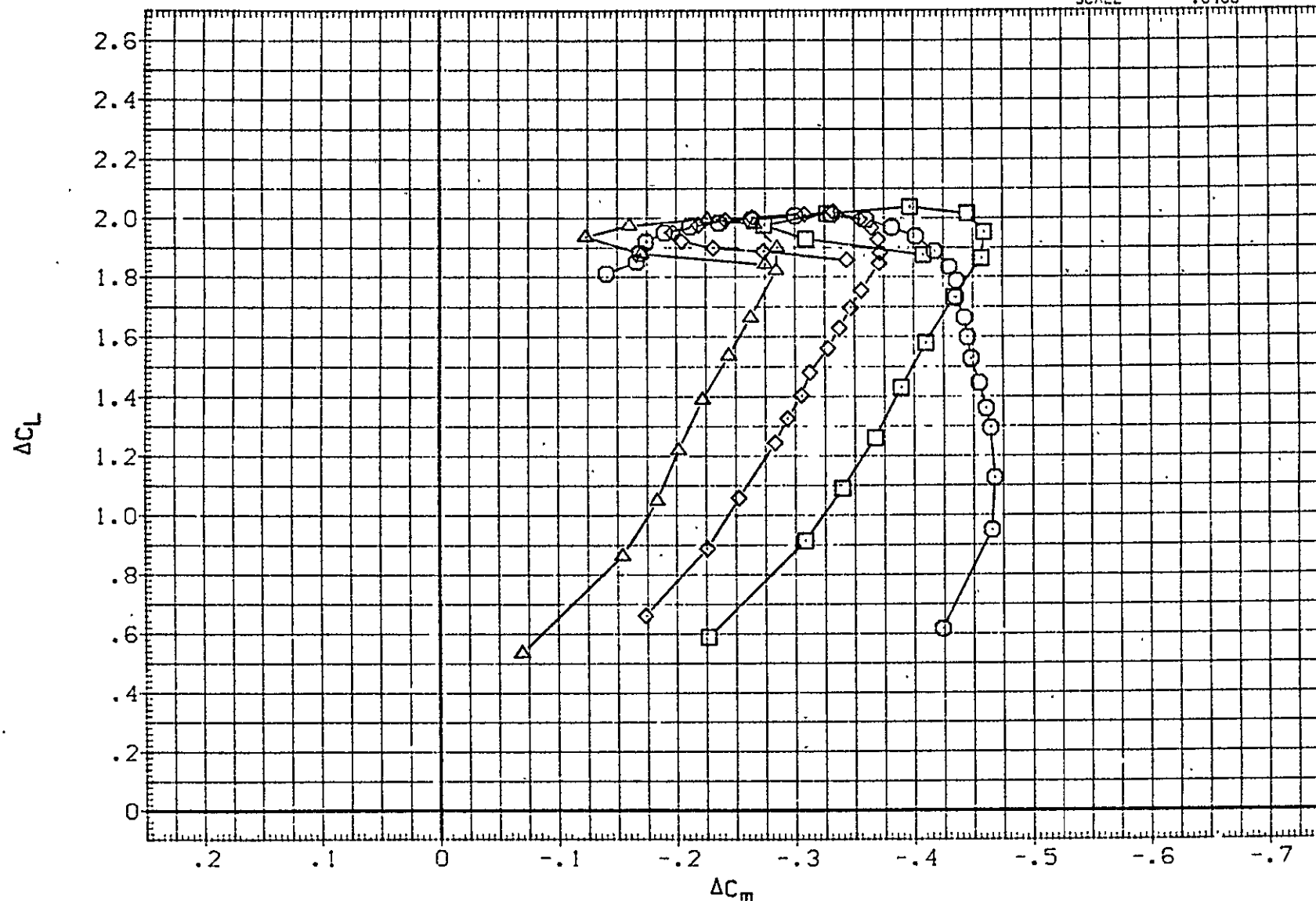


FIG 163 ALT CONFIG. STABILIZER EFFECTIVENESS. FLAPS 30 IORB=8.TC OFF, ELEV=-5
CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), ALPHA SWEEPS

(A)MACH = .15

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ORIGINAL PAGE IS POOR

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BOFLAP	BETA	REFERENCE INFORMATION	
(UJF073)	○	(CA-8) K3V9.1.2T55 F3065.3.5TS402			.000	.000	SREF	5500.0000 SO.FT.
(UJF076)	□	(CA-8) K3V9.1.2T55H15.6.1F3065.3.5TS402	.000	.000	.000	.000	LREF	327.8000 IN.
(UJF075)	◇	(CA-8) K3V9.1.2T55H15.6.1F3065.3.5TS402	.000	-2.000	.000	.000	BREF	2348.0000 IN.
(UJF074)	△	(CA-8) K3V9.1.2T55H15.6.1F3065.3.5TS402	.000	-4.000	.000	.000	XMRP	1339.9100 IN.XC
							YMRP	.0000 IN.YC
							ZMRP	190.7500 IN.ZC
							SCALE	.0400

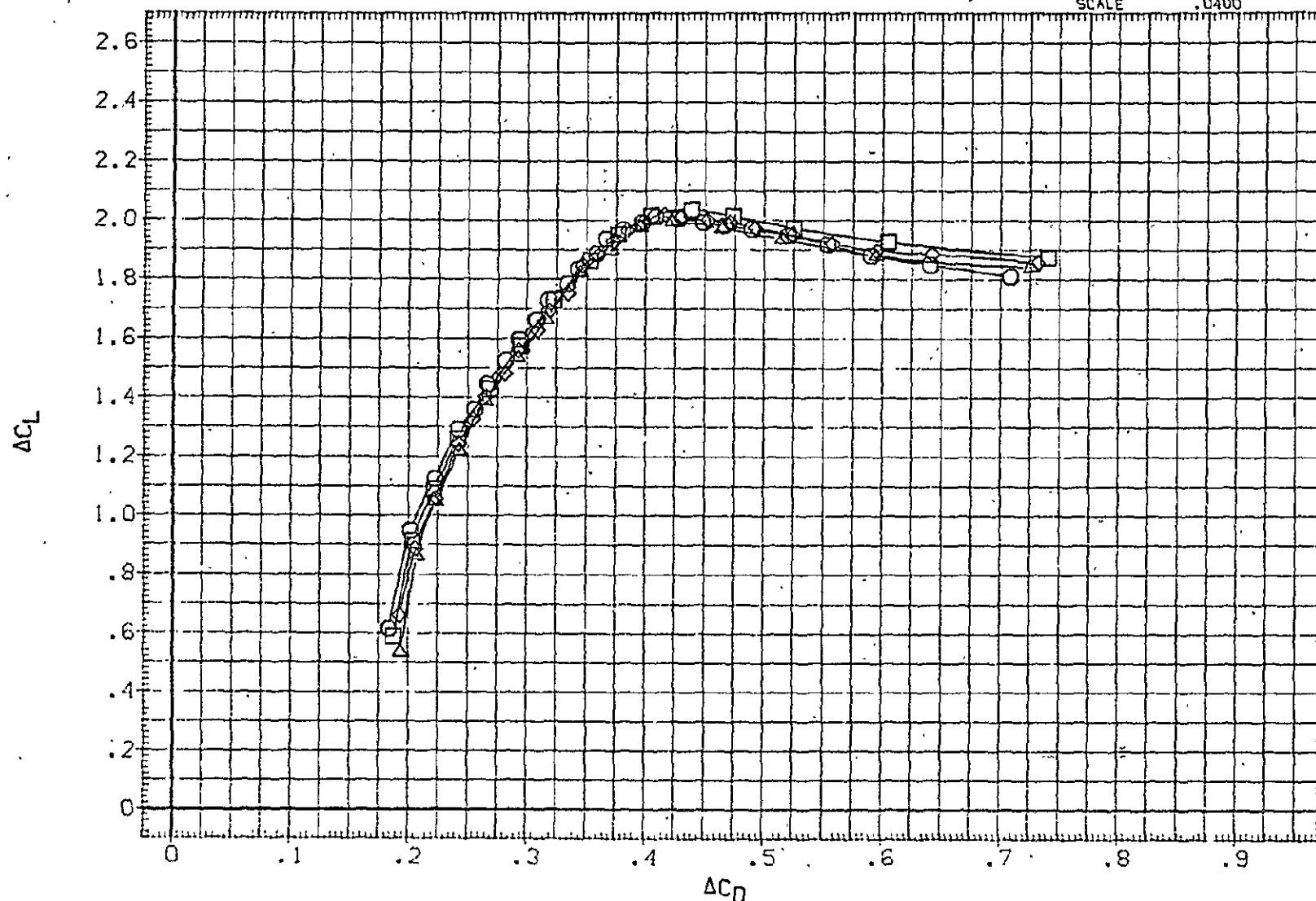


FIG 163 ALT CONFIG. STABILIZER EFFECTIVENESS. FLAPS 30 IORB=8, TC OFF, ELEV=-5
CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), ALPHA SWEEPS
(A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTH	STAB	IORB	ELEVON	REFERENCE INFORMATION		
(UJF083)	□	(CA-8) K3V9.1.2TS5H15.6.1F20TS401	.000	-2.000	6.000	-5.000	SREF	5500.0000	SQ.FT.
(UJF079)	□	(CA-8) K3V9.1.2TS5H15.6.1F20 TS402	.000	-2.000	6.000	-5.000	LREF	327.8000	IN.
							BREF	2348.0000	IN.
							XMRP	1339.9100	IN. XC
							YMRP	.0000	IN. YC
							ZMRP	190.7500	IN. ZC
							SCALE	.0400	

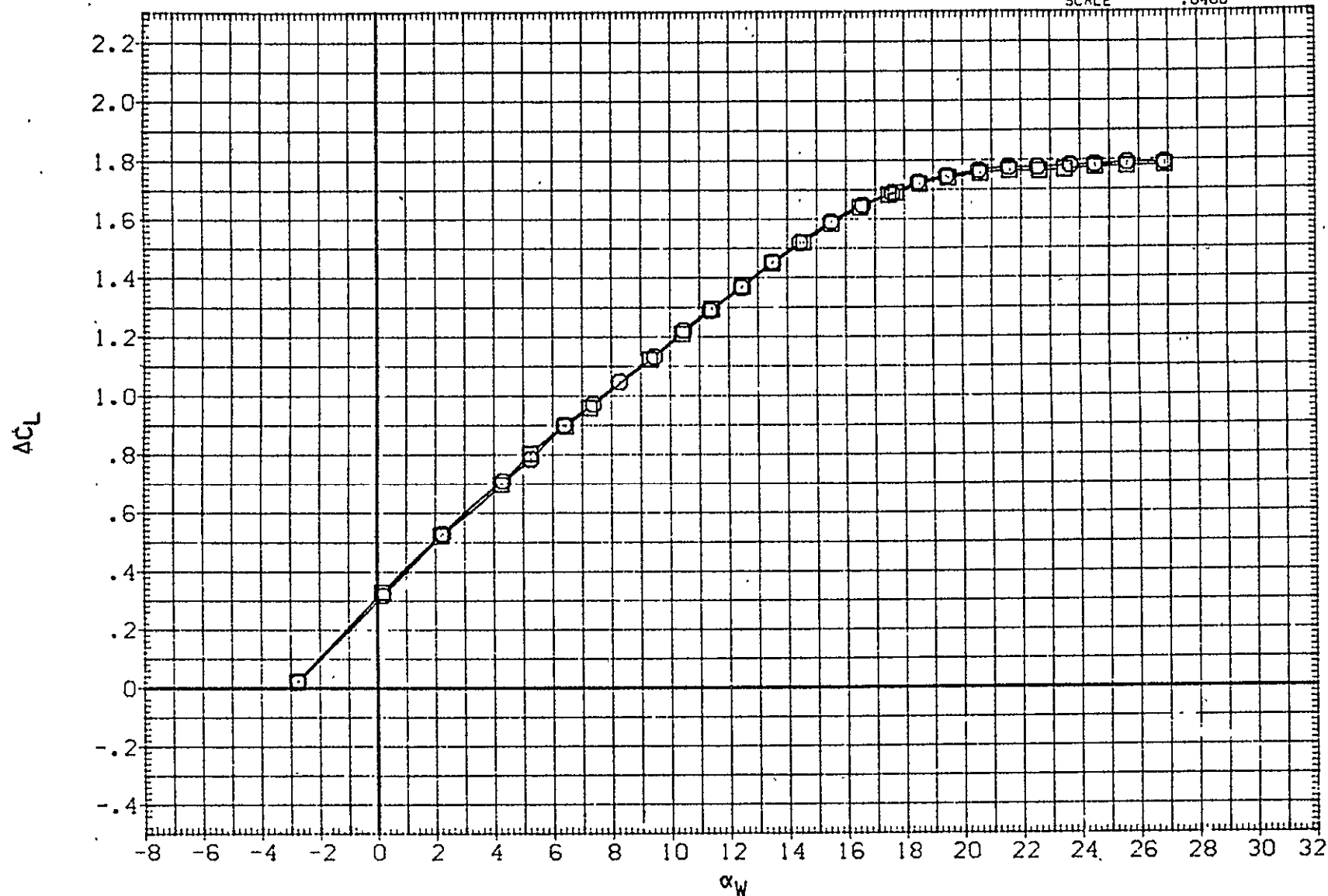


FIG 164 EFFECT OF TAILCONE, ALT CONF, IORB = 6, FLAPS 20
CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(UJF083)	○	(CA-8) K3V9.1.2TS5H15.6.1F20TS401
(UJF079)	□	(CA-8) K3V9.1.2TS5H15.6.1F20 TS402

ELEVTR	STAB	IORB	ELEVON
.000	-2.000	6.000	-5.000
.000	-2.000	6.000	-5.000

REFERENCE INFORMATION		
SREF	5500.0000	50.FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMRP	1339.9100	IN.XC
YMRP	.0000	IN.YC
ZMRP	190.7500	IN.ZC
SCALE	.0400	

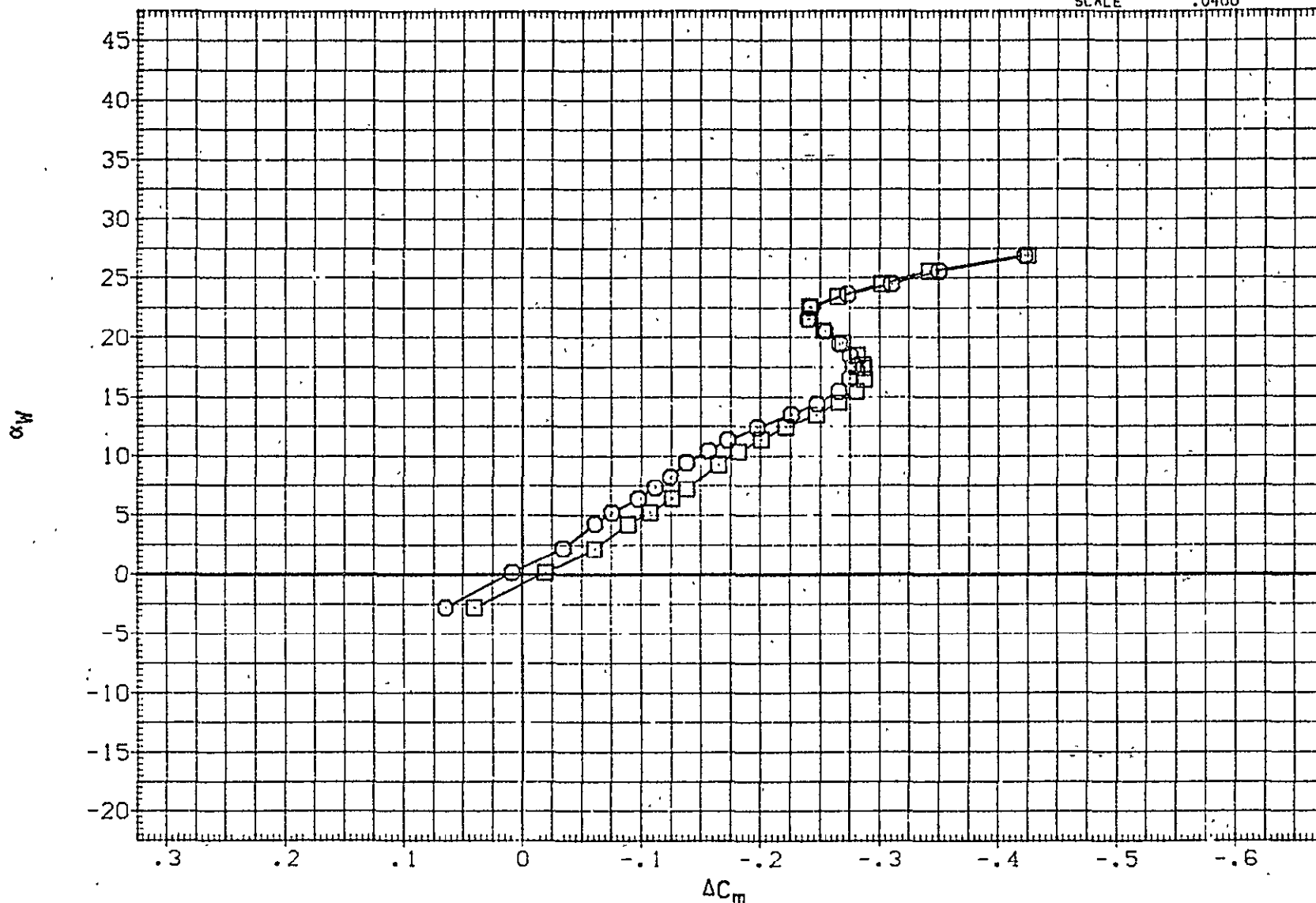


FIG 164 EFFECT OF TAILCONE. ALT CONF. IORB = 6. FLAPS 20
CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE). ALPHA SWEEPS

(A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(UJF083)	○	(CA-8) K3V9.1.2TS5H15.6.1F20TS401
(UJF079)	□	(CA-8) K3V9.1.2TS5H15.6.1F20 TS402

ELEVTR	STAB	IORB	ELEVON
.000	-2.000	6.000	-5.000
.000	-2.000	6.000	-5.000

REFERENCE INFORMATION		
SREF	5500.0000	SQ.FT.
LREF	327.8000	IN.
BREF	2348.0000	IN.
XMRP	1339.9100	IN.XC
YMRP	.0000	IN.YC
ZMRP	190.7500	IN.ZC
SCALE	.0400	

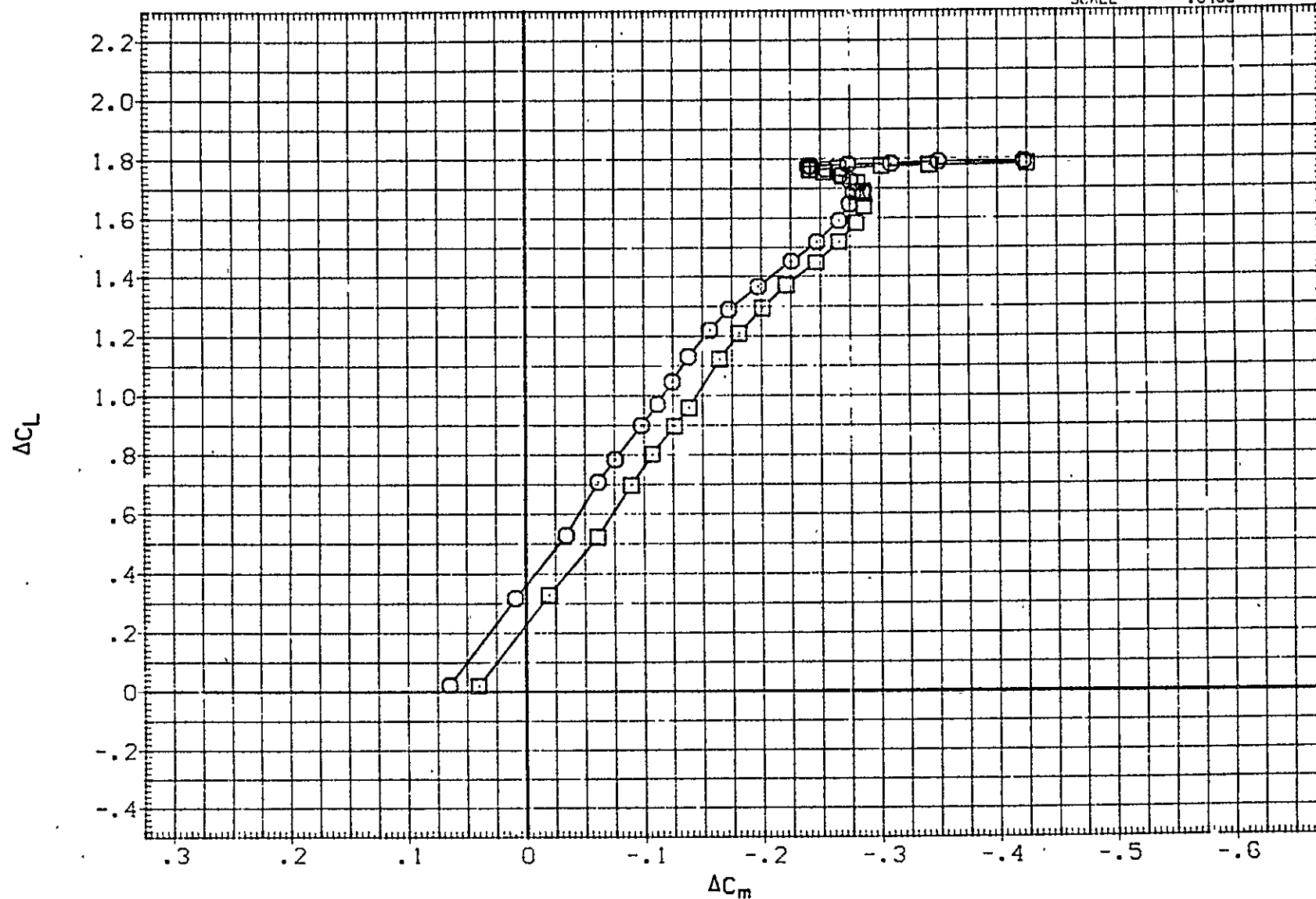


FIG 164 EFFECT OF TAILCONE. ALT CONF. IORB = 6. FLAPS 20
CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), ALPHA SWEEPS

(A) MACH = .15

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DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	IORB	ELEVON	REFERENCE INFORMATION		
(UJF083)	○	(CA-8) K3V9.1.2TS5H15.6.1F20TS401	.000	-2.000	6.300	-5.000	SREF	5500.0000	50. FT.
(UJF079)	□	(CA-8) K3V9.1.2TS5H15.6.1F20 TS402	.000	-2.000	6.300	-5.000	LREF	327.8000	IN.
							BREF	2348.0000	IN.
							XMRP	1339.9100	IN. XC
							YMRP	.0000	IN. YC
							ZMRP	190.7500	IN. ZC
							SCALE	.0400	

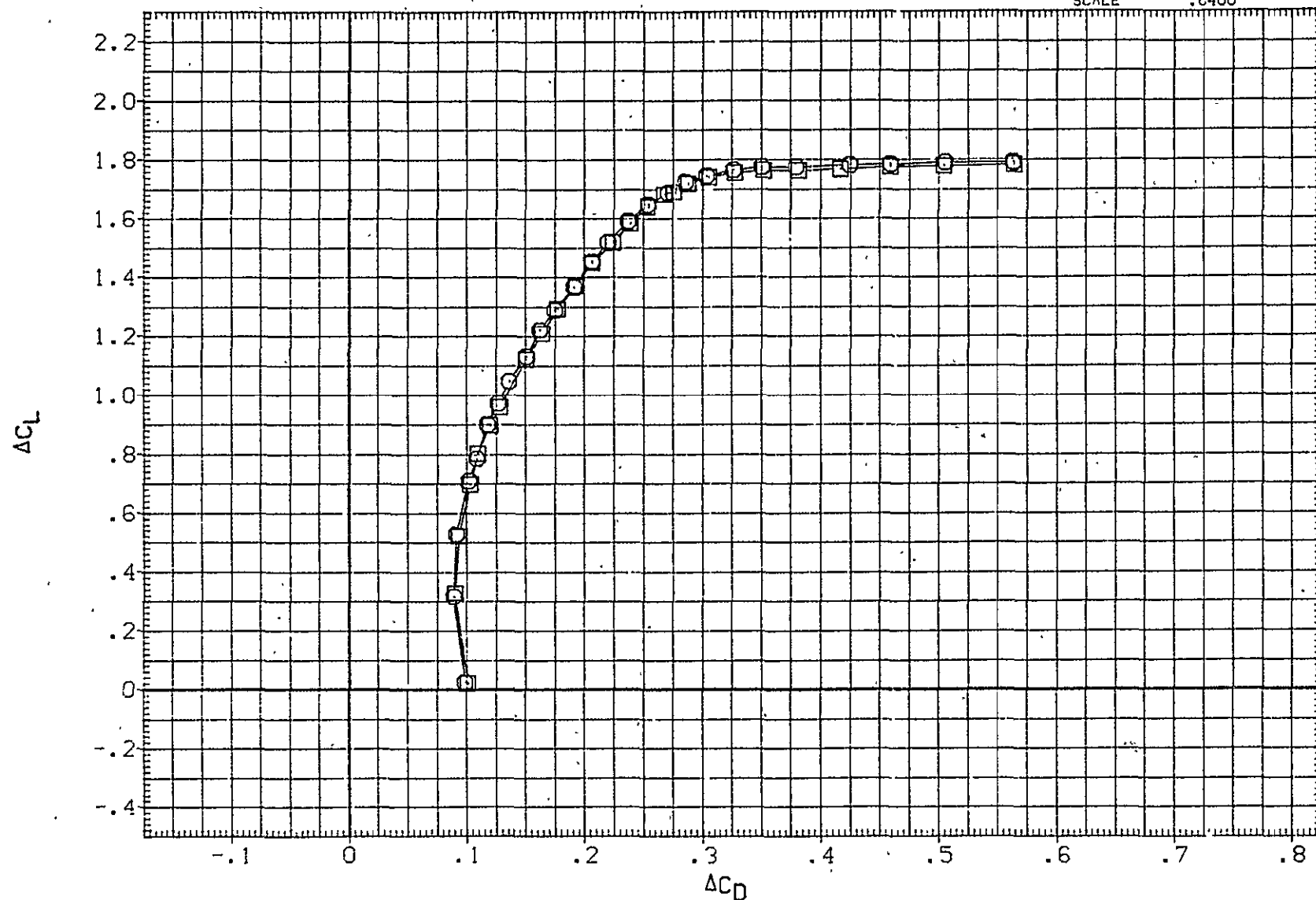


FIG 164 EFFECT OF TAILCONE, ALT CONF, IORB = 6, FLAPS 20
CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), ALPHA SWEEPS

(A)MACH = .15

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DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(UJF157)	□	(CA-8) K2.1TS7 F30TS401G5.3.5	.235	3.000	-11.700	.000	SREF	5500.0000	SO.FT.
(UJF158)	◇	(CA-8) K2.1TS7 F30TS401G5.3.5	4.200	3.000	-11.700	.000	LREF	327.8000	IN.
(UJF159)	◇	(CA-8) K2.1TS7 F30TS401G5.3.5	6.165	3.000	-11.700	.000	BREF	2348.0000	IN.
(UJF160)	△	(CA-8) K2.1TS7 F30TS401G5.3.5	8.112	3.000	-11.700	.000	XMRP	1339.9100	IN.XC
(UJF161)	△	(CA-8) K2.1TS7 F30TS401G5.3.5	10.252	3.000	-11.700	.000	YMRP	.0000	IN.YC
(UJF162)	△	(CA-8) K2.1TS7 F30TS401G5.3.5	12.237	3.000	-11.700	.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

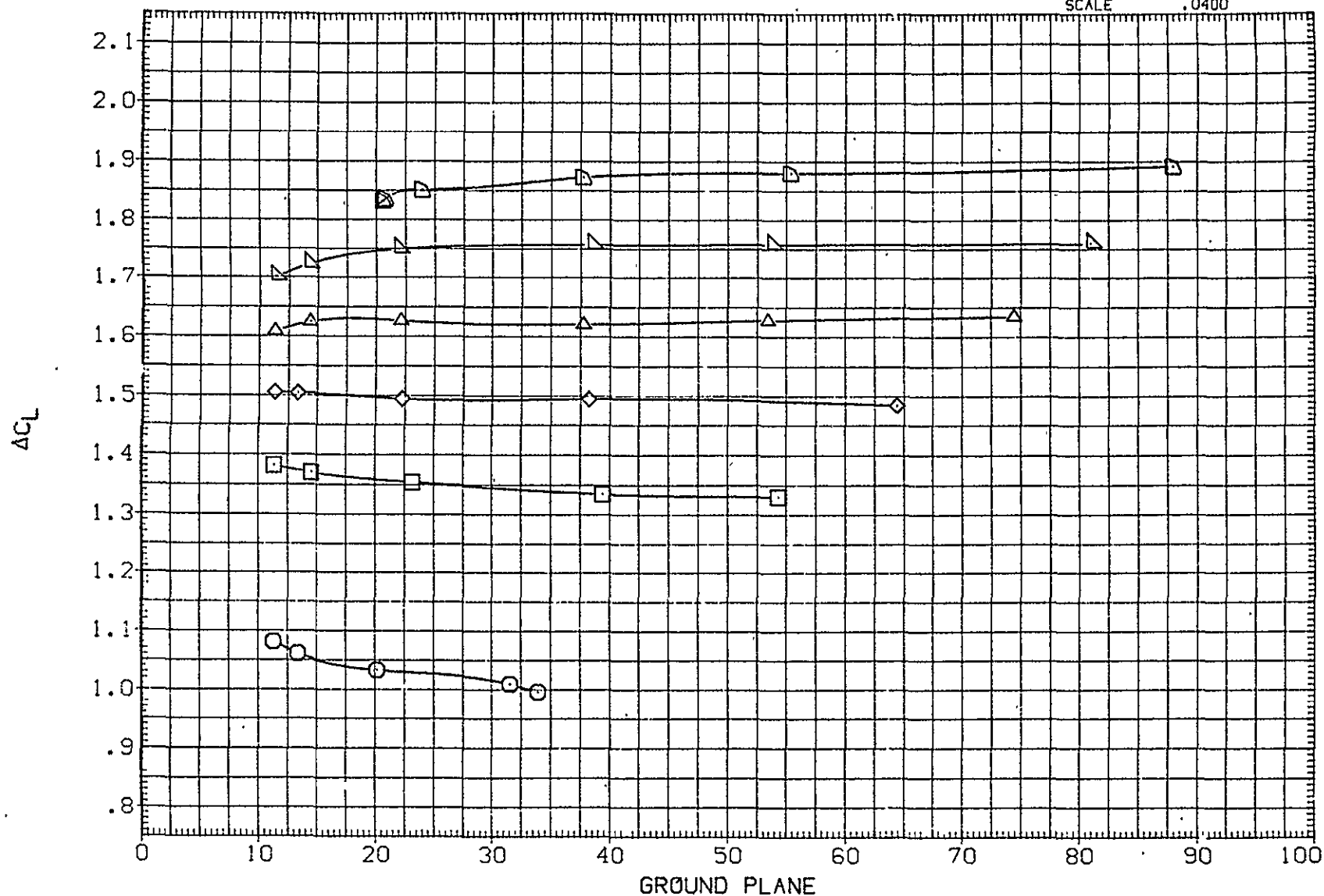


FIG 165 FERRY CON. IN GROUND PROXIMITY, HORIZ OFF, IORB = 3, TC ON
CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), GP SWEEPS

(A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(UJF157)	○	(CA-8) K2.1TS7 F30TS401G5.3.5	.235	3.000	-11.700	.000	SREF	5500.0000	SQ.FT.
(UJF158)	□	(CA-8) K2.1TS7 F30TS401G5.3.5	4.200	3.000	-11.700	.000	LREF	327.8000	IN.
(UJF159)	◇	(CA-8) K2.1TS7 F30TS401G5.3.5	6.165	3.000	-11.700	.000	BREF	2348.0000	IN.
(UJF160)	△	(CA-8) K2.1TS7 F30TS401G5.3.5	8.112	3.000	-11.700	.000	XMRP	1339.9100	IN.XC
(UJF161)	▽	(CA-8) K2.1TS7 F30TS401G5.3.5	10.252	3.000	-11.700	.000	YMRP	.0000	IN.YC
(UJF162)	▷	(CA-8) K2.1TS7 F30TS401G5.3.5	12.237	3.000	-11.700	.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

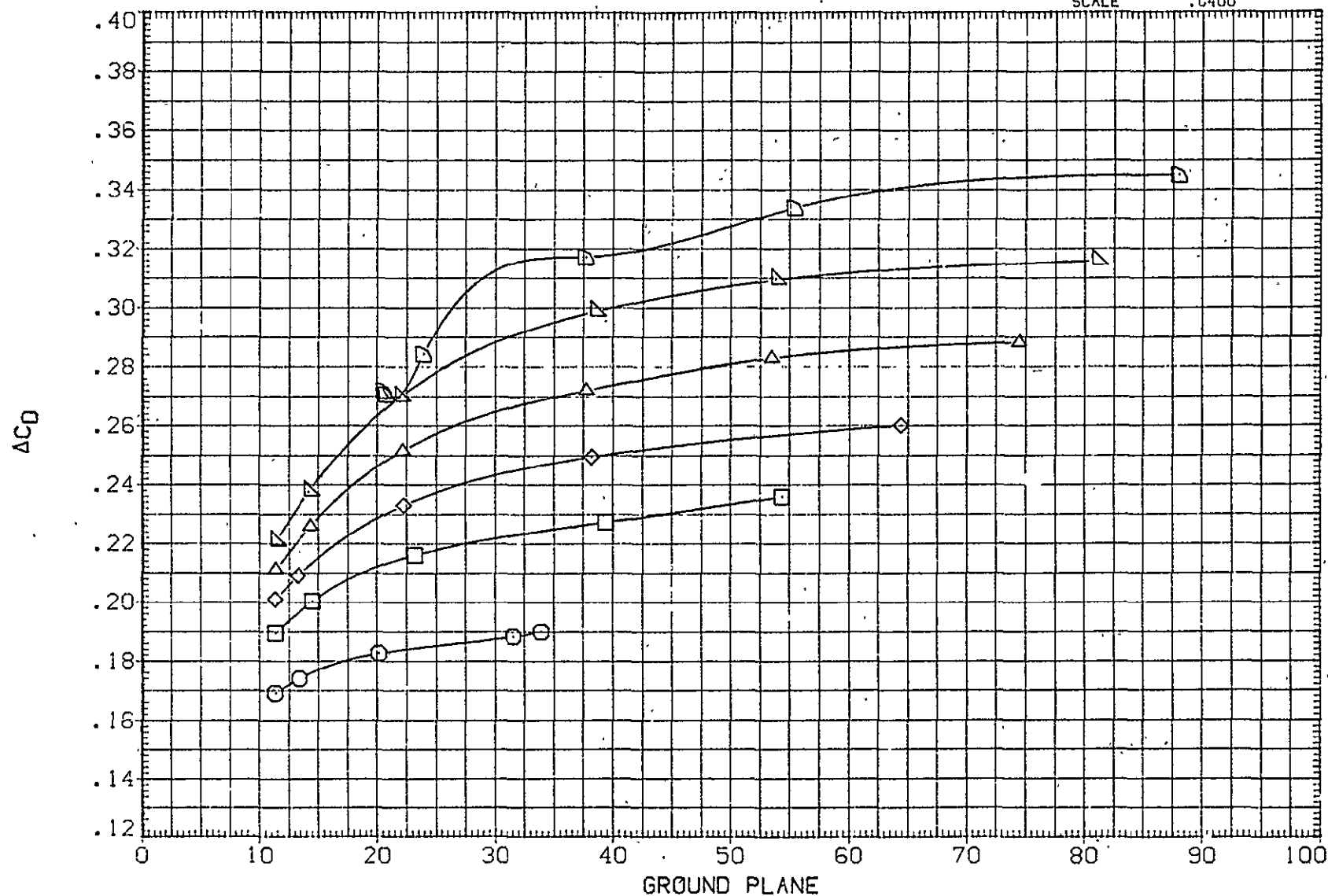


FIG 165 FERRY CON. IN GROUND PROXIMITY, HORIZ OFF, IORB = 3, TC ON CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BOLAP	ELEVON	REFERENCE INFORMATION		
(UJF157)	○	(CA-8) K2.1TS7 F30TS401G5.3.5	.235	3.000	-11.700	.000	SREF	5500.0000	50.FT.
(UJF158)	□	(CA-8) K2.1TS7 F30TS401G5.3.5	4.200	3.000	-11.700	.000	LREF	327.8000	1N.
(UJF159)	◇	(CA-8) K2.1TS7 F30TS401G5.3.5	6.165	3.000	-11.700	.000	BREF	2348.0000	1N.
(UJF160)	△	(CA-8) K2.1TS7 F30TS401G5.3.5	8.112	3.000	-11.700	.000	XM RP	1339.9100	1N.XC
(UJF161)	▽	(CA-8) K2.1TS7 F30TS401G5.3.5	10.252	3.000	-11.700	.000	YM RP	.0000	1N.YC
(UJF162)	◻	(CA-8) K2.1TS7 F30TS401G5.3.5	12.237	3.000	-11.700	.000	ZM RP	190.7500	1N.ZC
							SCALE	.0400	

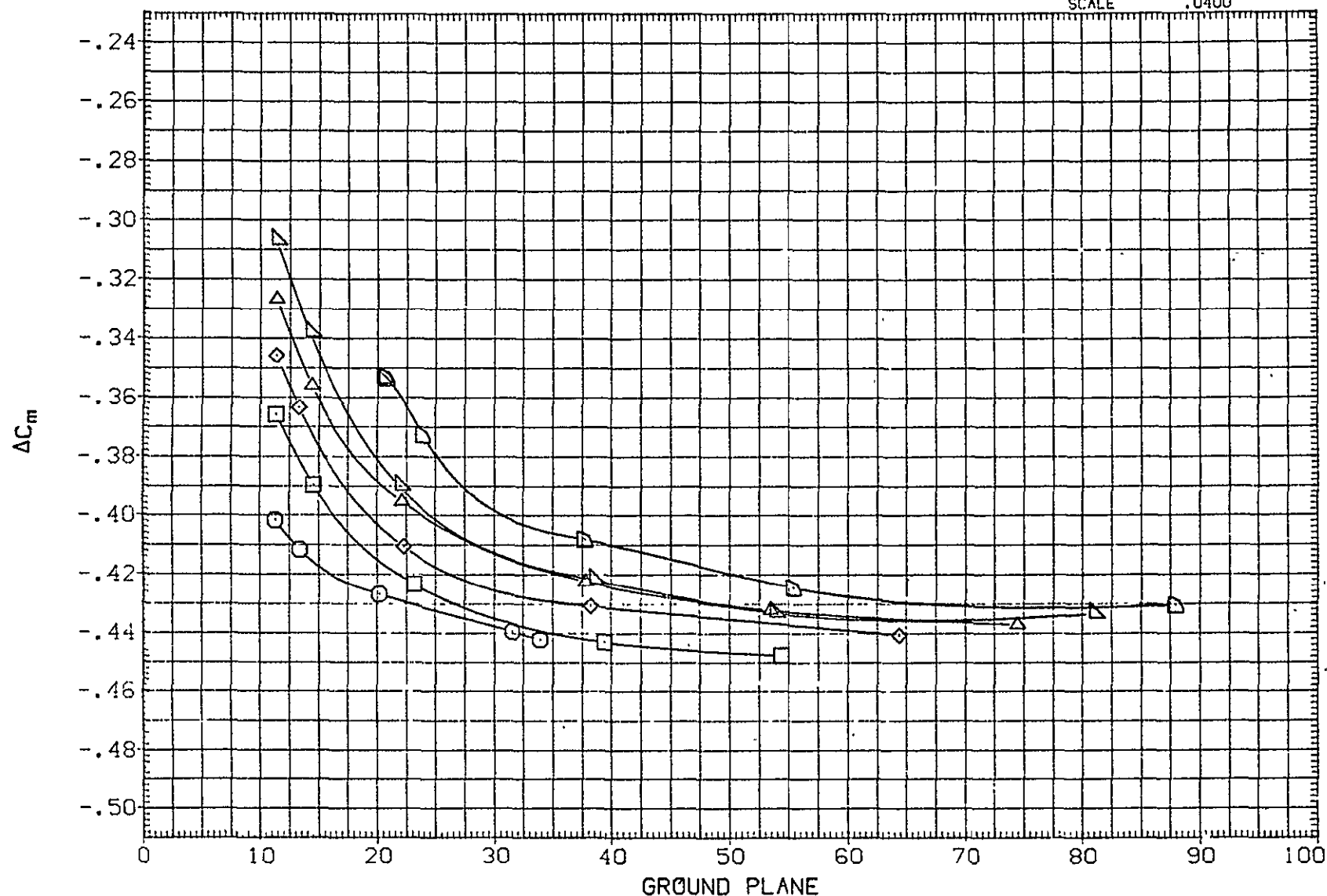


FIG 165 FERRY CON. IN GROUND PROXIMITY, HORIZ OFF, IORB = 3, TC ON
CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), GP SWEEPS

(A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA _W	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(UJF136)	○	(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5	.219	3.000	-11.700	.000	SREF	5500.0000	SQ.FT.
(UJF137)	□	(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5	.2234	3.000	-11.700	.000	LREF	327.8000	IN.
(UJF133)	◇	(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5	4.192	3.000	-11.700	.000	BREF	2348.0000	IN.
(UJF134)	△	(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5	6.216	3.000	-11.700	.000	XMRP	1339.9100	IN.XC
(UJF135)	▽	(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5	8.254	3.000	-11.700	.000	YMRP	.0000	IN.YC
(UJF138)	▷	(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5	10.169	3.000	-11.700	.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

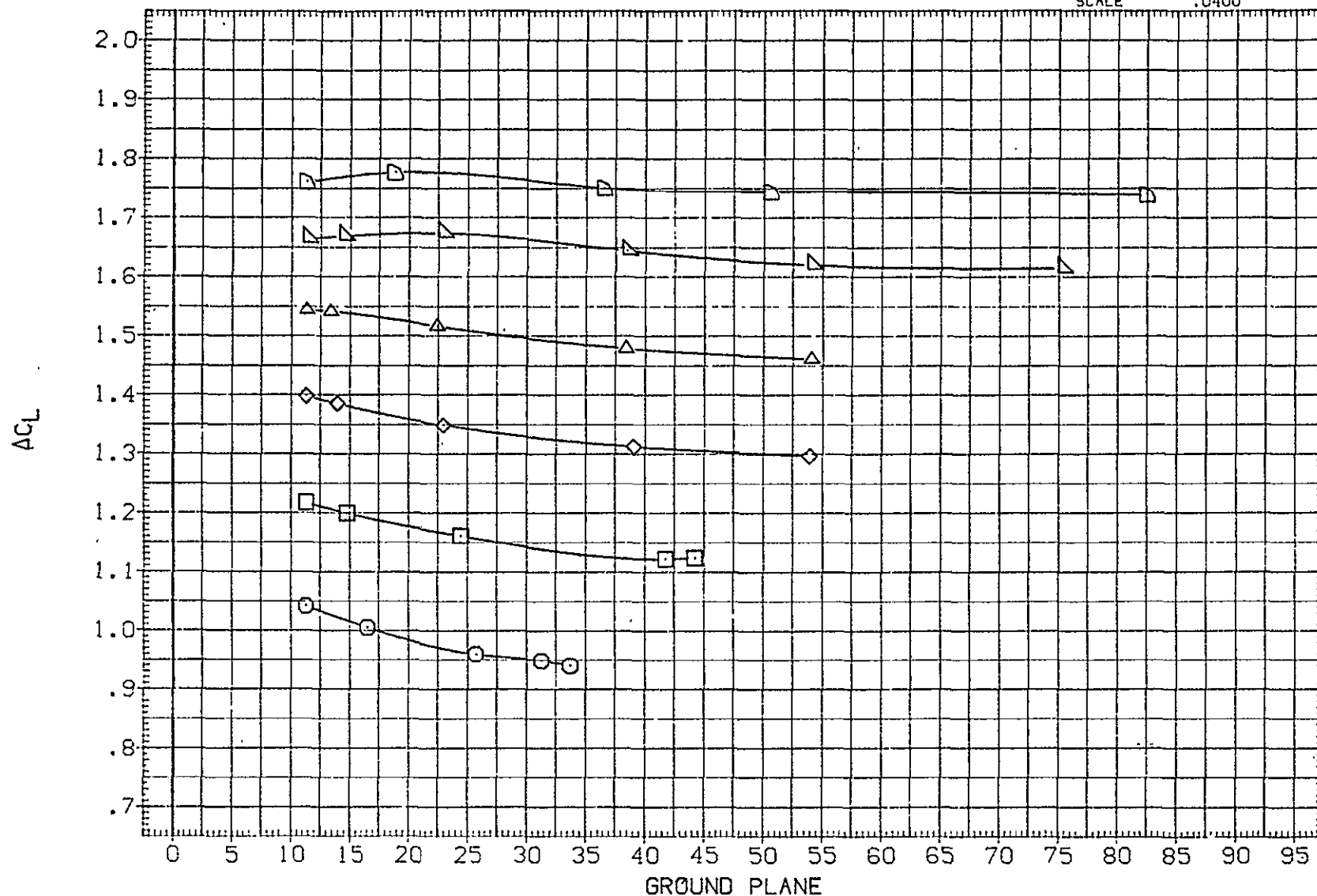


FIG 166 FERRY CON. IN GROUND PROXIMITY. STAB = 0. IORB = 3. TC ON CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(UJF136)	○	(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5	.219	3.000	-11.700	.000	SREF	5500.0000	50.FT.
(UJF137)	□	(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5	2.234	3.000	-11.700	.000	LREF	327.8000	IN.
(UJF133)	◇	(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5	4.192	3.000	-11.700	.000	BREF	2348.0000	IN.
(UJF134)	△	(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5	6.216	3.000	-11.700	.000	XMRP	1339.9100	IN. XC
(UJF135)	▽	(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5	8.254	3.000	-11.700	.000	YMRP	.0000	IN. YC
(UJF138)	◻	(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5	10.169	3.000	-11.700	.000	ZMRP	190.7500	IN. ZC
							SCALE	.0400	

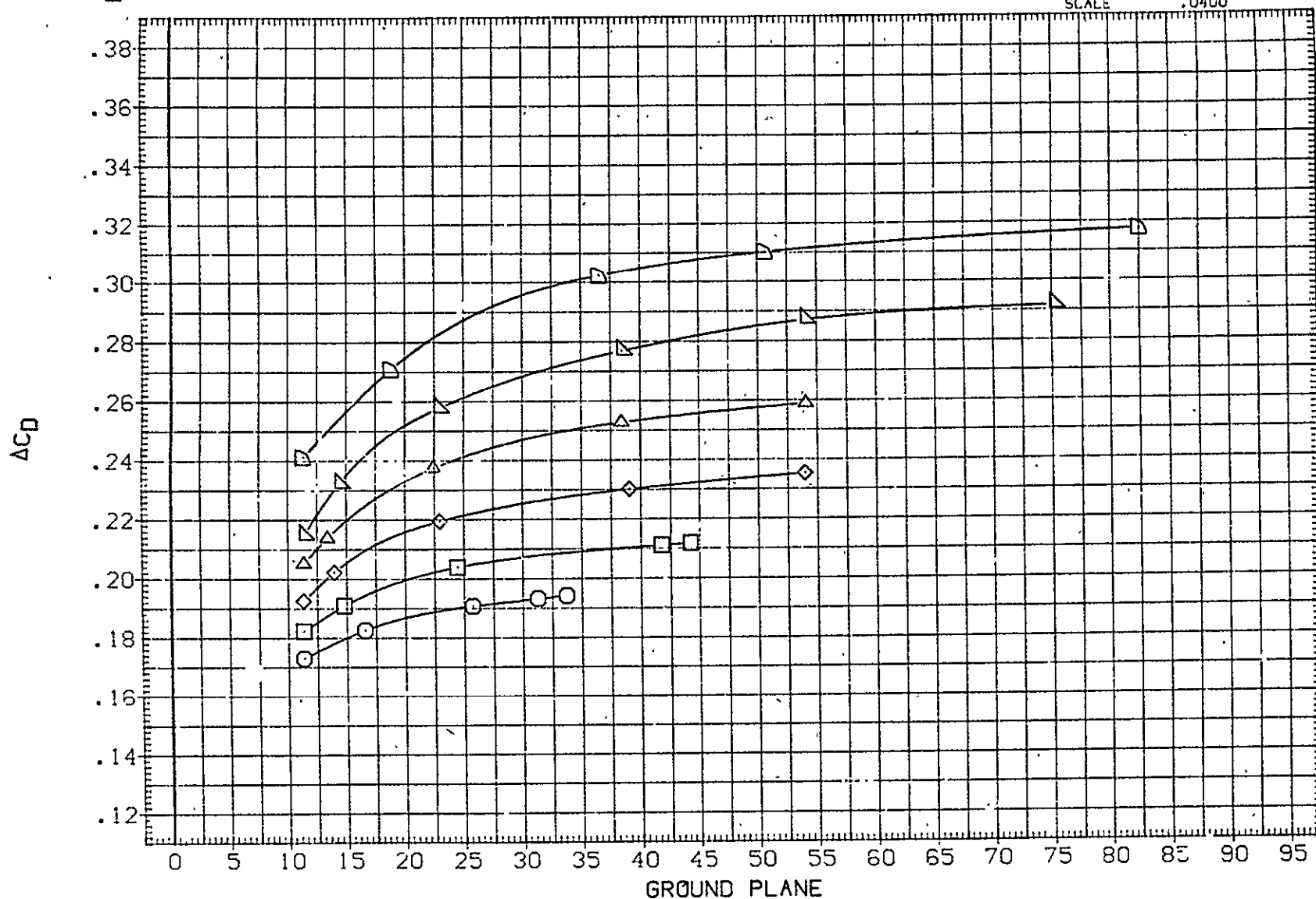


FIG 166 FERRY CON. IN GROUND PROXIMITY, STAB = 0, IORB = 3, TC ON CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE). GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA W	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION	
(UJF136)	○	(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5	.219	3.000	-11.700	.000	SREF	5500.0000 SQ.FT.
(UJF137)	□	(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5	2.234	3.000	-11.700	.000	LREF	327.8000 IN.
(UJF133)	◇	(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5	4.192	3.000	-11.700	.000	BREF	2348.0000 IN.
(UJF134)	△	(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5	6.216	3.000	-11.700	.000	XMRP	1339.9100 IN.XC
(UJF135)	▽	(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5	8.254	3.000	-11.700	.000	YMRP	.0000 IN.YC
(UJF138)	◻	(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5	10.169	3.000	-11.700	.000	ZMRP	190.7500 IN.ZC
							SCALE	.0400

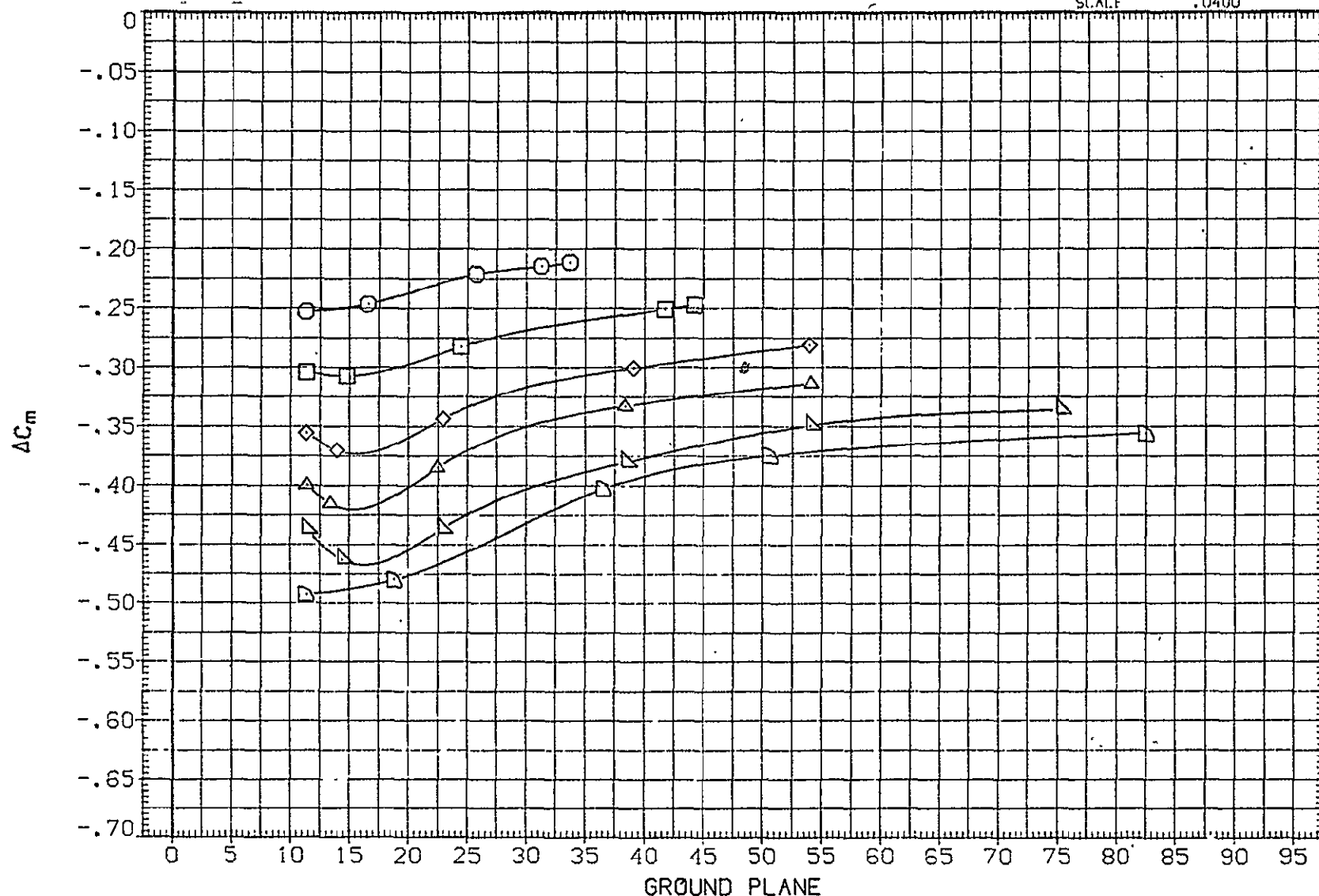


FIG 166 FERRY CON. IN GROUND PROXIMITY. STAB = 0, IORB = 3, TC ON
CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), GP SWEEPS

(A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(UJF134)	□	(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5	6.216	3.000	-11.700	.000	SREF	5500.0000	SQ.FT.
(UJF135)	□	(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5	8.254	3.000	-11.700	.000	LREF	327.8000	IN.
(UJF138)	△	(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5	10.169	3.000	-11.700	.000	BREF	2348.0000	IN.
(UJF139)	△	(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5	12.226	3.000	-11.700	.000	XMRP	1339.9100	IN.XC
(UJF140)	△	(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5	14.293	3.000	-11.700	.000	YMRP	.0000	IN.YC
(UJF141)	△	(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5	16.297	3.000	-11.700	.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

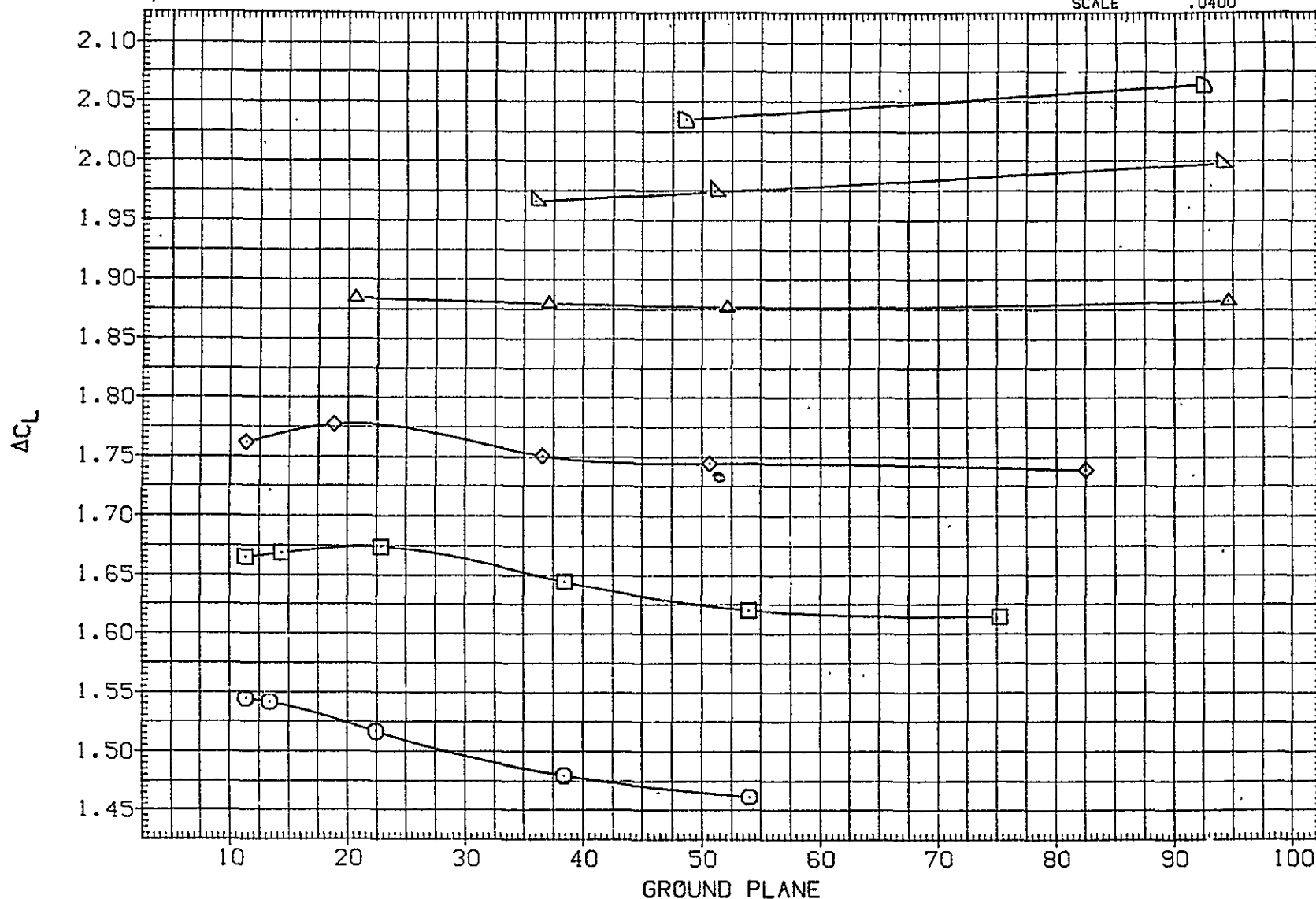


FIG 167 FERRY CON. IN GROUND PROXIMITY. STAB = 0. IORB = 3. TC ON CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE). GP SWEEPS

(A) MACH = .15

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DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	EDFLAP	ELEVON	REFERENCE INFORMATION		
(UJF134)	□	(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5	6.216	3.000	-11.700	.000	SREF	5500.0000	SQ.FT.
(UJF135)	◇	(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5	8.254	3.000	-11.700	.000	LREF	327.8000	IN.
(UJF138)	△	(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5	10.169	3.000	-11.700	.000	BREF	2348.0000	IN.
(UJF139)	▽	(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5	12.226	3.000	-11.700	.000	XMRF	1339.9100	IN.XC
(UJF140)	△	(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5	14.293	3.000	-11.700	.000	YMRF	.0000	IN.YC
(UJF141)	▽	(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5	16.297	3.000	-11.700	.000	ZMRF	190.7500	IN.ZC
							SCALE	.0400	

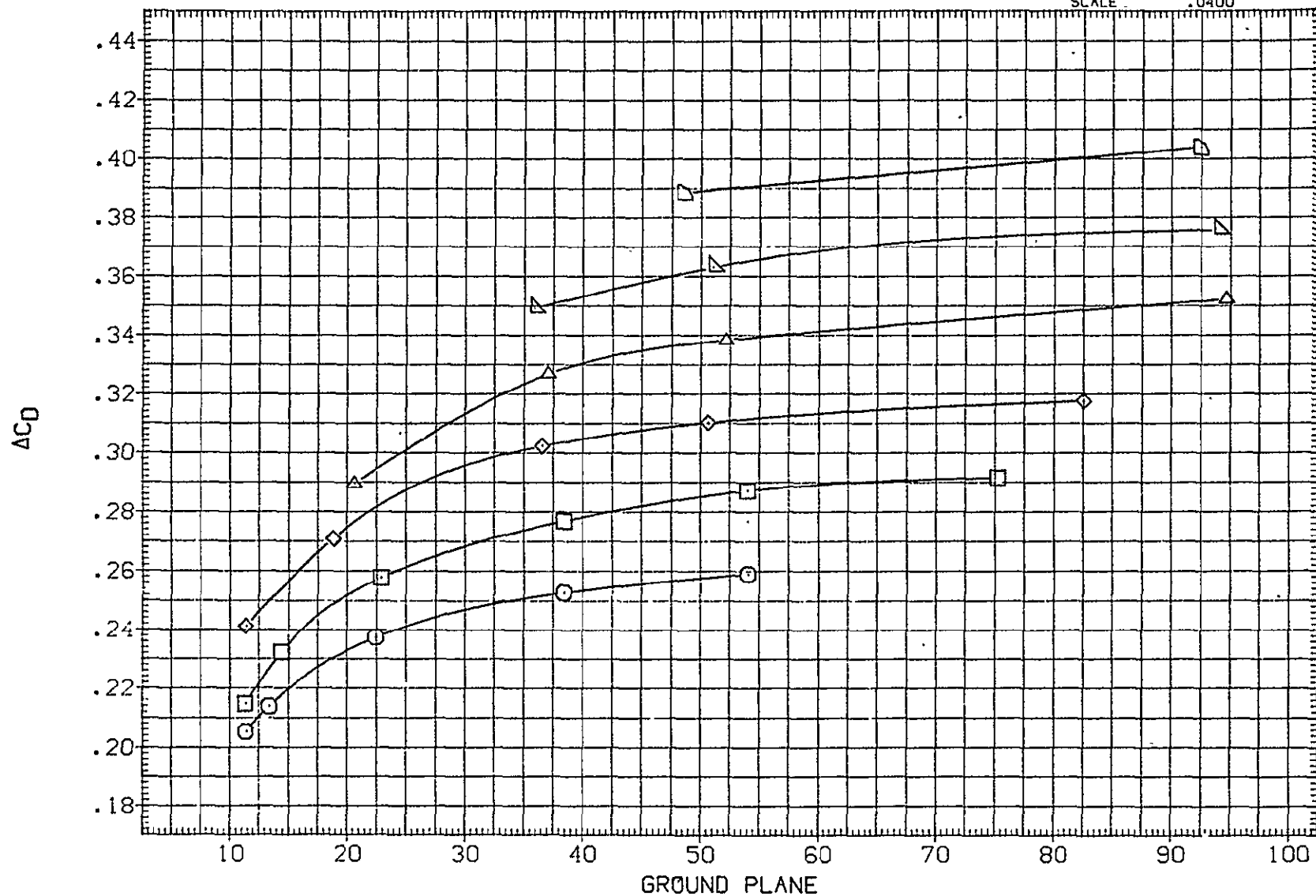


FIG 167. FERRY CON. IN GROUND PROXIMITY, STAB = 0, IORB = 3, TC ON CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA W	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(UJF134)	○	(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5	6.216	3.000	-11.700	.000	SREF	5500.0000	SG.FT.
(UJF135)	□	(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5	8.254	3.000	-11.700	.000	LREF	327.8000	IN.
(UJF138)	◇	(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5	10.169	3.000	-11.700	.000	BREF	2348.0000	IN.
(UJF139)	△	(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5	12.226	3.000	-11.700	.000	XMRP	1339.9100	IN.XC
(UJF140)	▽	(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5	14.293	3.000	-11.700	.000	YMRP	.0000	IN.YC
(UJF141)	◻	(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5	16.297	3.000	-11.700	.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

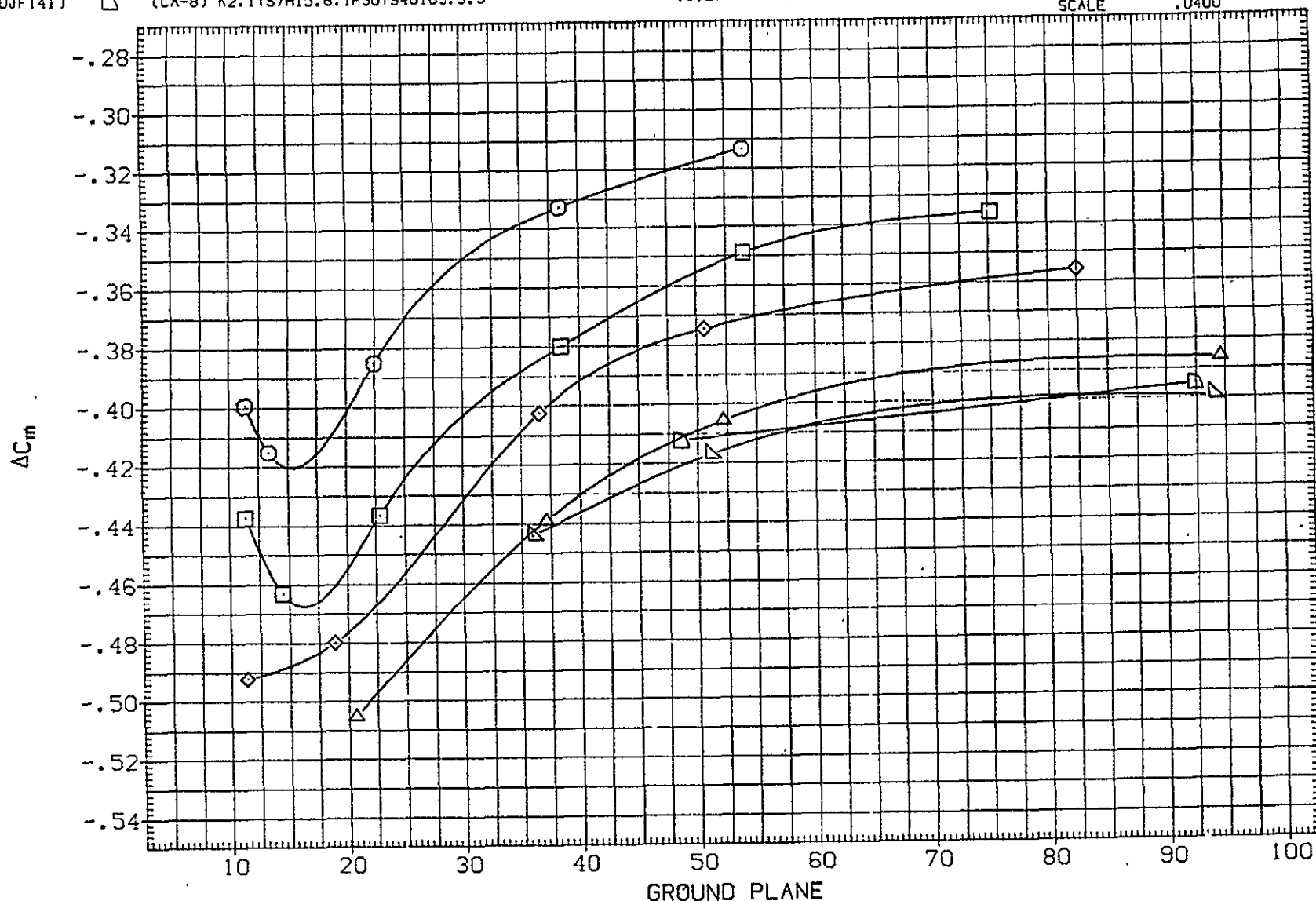


FIG 167 FERRY CON. IN GROUND PROXIMITY, STAB = 0, IORB = 3, TC ON
CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA _W	I _{ORB}	B _D FLAP	ELEVON	REFERENCE INFORMATION		
(UJF142)	○	(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5	.177	3.000	-11.700	.000	SREF	5500.0000	50.FT.
(UJF143)	□	(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5	2.164	3.000	-11.700	.000	LREF	327.8000	IN.
(UJF144)	◇	(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5	4.247	3.000	-11.700	.000	BREF	2348.0000	IN.
(UJF145)	△	(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5	6.166	3.000	-11.700	.000	XMRP	1339.9100	IN. XC
(UJF146)	▽	(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5	8.099	3.000	-11.700	.000	YMRP	.0000	IN. YC
(UJF147)	◻	(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5	10.174	3.000	-11.700	.000	ZMRP	190.7500	IN. ZC
							SCALE	.0400	

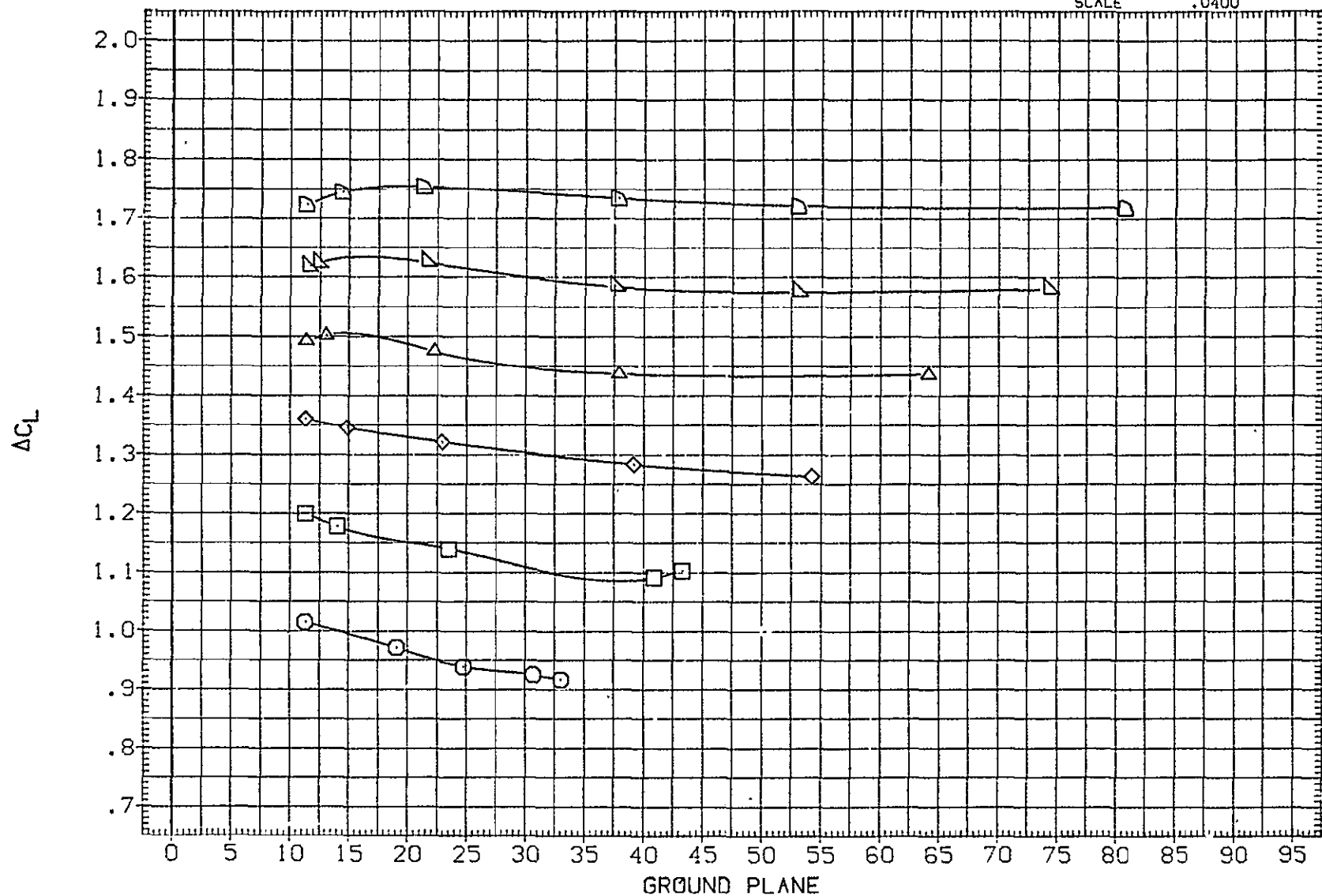


FIG 168 FERRY CON. IN GROUND PROXIMITY, STAB = -2, I_{ORB} = 3, TC ON CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE). GP SWEEPS

(A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	IORB	BOFLAP	ELEVON	REFERENCE INFORMATION		
(UJF142)	○	(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5	.177	3.000	-11.700	.000	SREF	5500.0000	SQ.FT.
(UJF143)	□	(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5	2.164	3.000	-11.700	.000	LREF	327.8000	IN.
(UJF144)	△	(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5	4.247	3.000	-11.700	.000	BREF	2348.0000	IN.
(UJF145)	◇	(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5	6.166	3.000	-11.700	.000	XMRP	1339.9100	IN.XC
(UJF146)	▽	(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5	8.099	3.000	-11.700	.000	YMRP	.0000	IN.YC
(UJF147)	▷	(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5	10.174	3.000	-11.700	.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

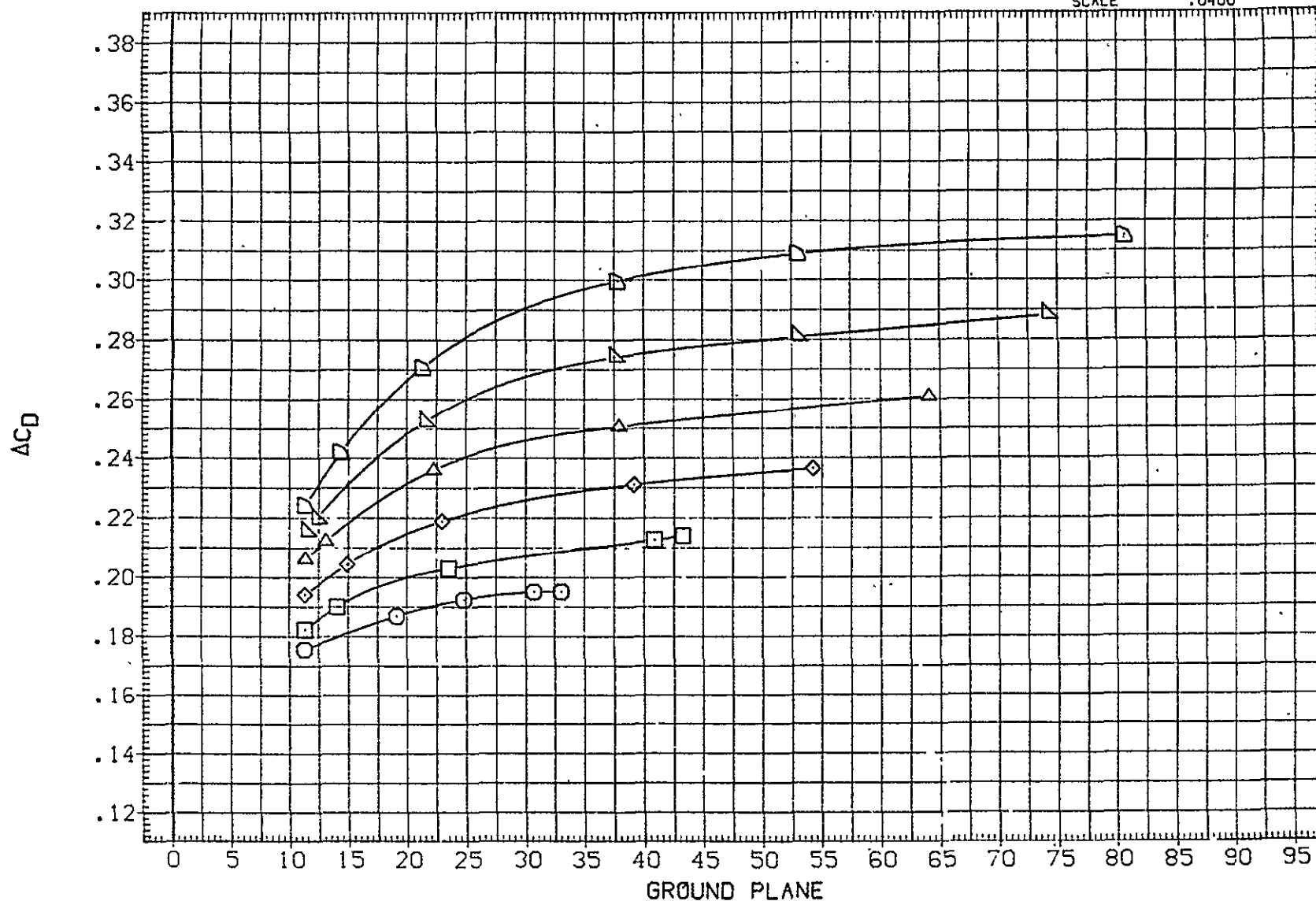


FIG 168 FERRY CON. IN GROUND PROXIMITY, STAB = -2, IORB = 3, TC ON CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA W	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(UJF142)	○	(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5	.177	3.000	-11.700	.000	SREF	5500.0000	50.FT.
(UJF143)	□	(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5	2.164	3.000	-11.700	.000	LREF	327.8000	IN.
(UJF144)	×	(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5	4.247	3.000	-11.700	.000	BREF	2348.0000	IN.
(UJF145)	△	(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5	6.166	3.000	-11.700	.000	XMRP	1339.9100	IN.XC
(UJF146)	▽	(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5	8.099	3.000	-11.700	.000	YMRP	.0000	IN.YC
(UJF147)	◇	(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5	10.174	3.000	-11.700	.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

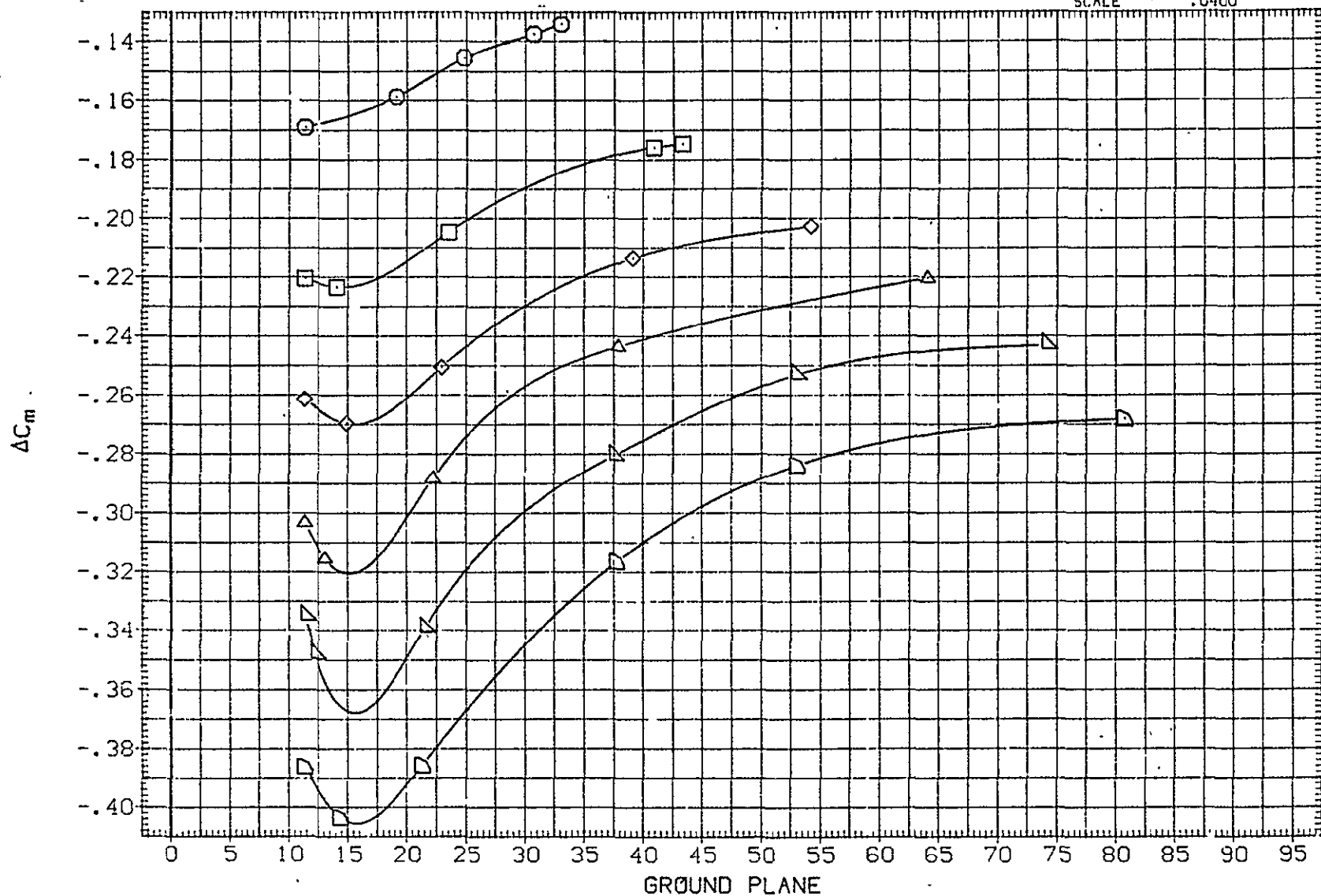


FIG 168 FERRY CON. IN GROUND PROXIMITY, STAB = -2, IORB = 3, TC ON CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
{UJF145}	○	{CA-8} K2.1TS7H15.6.1F30TS401G5.3.5	6.166	3.000	-11.700	.000	SREF	5500.0000	50.FT.
{UJF146}	□	{CA-8} K2.1TS7H15.6.1F30TS401G5.3.5	8.099	3.000	-11.700	.000	LREF	327.8000	IN.
{UJF147}	◇	{CA-8} K2.1TS7H15.6.1F30TS401G5.3.5	10.174	3.000	-11.700	.000	BREF	2348.0000	IN.
{UJF148}	△	{CA-8} K2.1TS7H15.6.1F30TS401G5.3.5	12.110	3.000	-11.700	.000	XMRP	1339.9100	IN.XC
{UJF149}	▽	{CA-8} K2.1TS7H15.6.1F30TS401G5.3.5	14.219	3.000	-11.700	.000	YMRP	.0000	IN.YC
{UJF150}	◻	{CA-8} K2.1TS7H15.6.1F30TS401G5.3.5	16.235	3.000	-11.700	.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

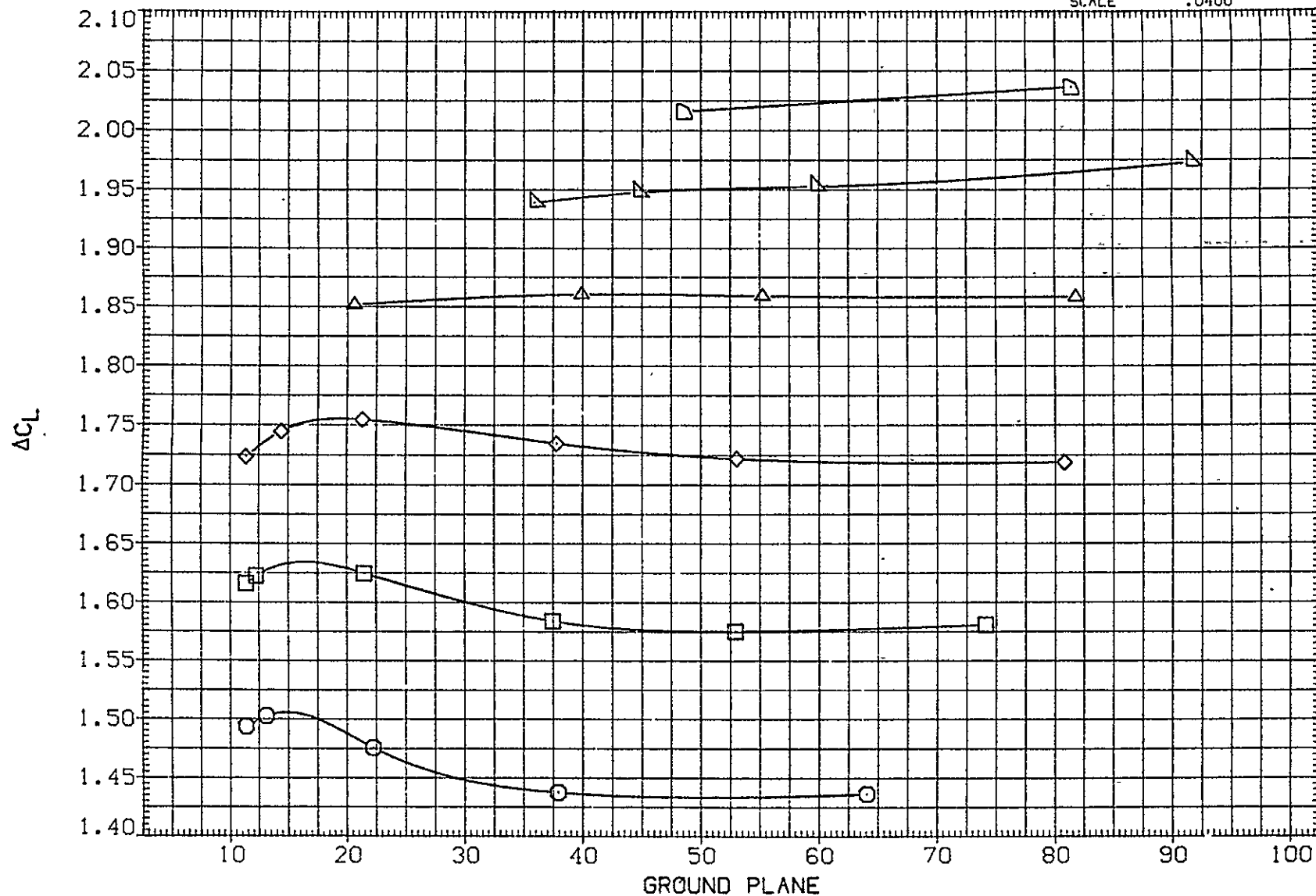


FIG 169 FERRY CON. IN GROUND PROXIMITY, STAB = -2, IORB = 3, TC ON
CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), GP SWEEPS
(A)MACH = .15

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DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA W	I ORB	BDF LAP	ELEVON	REFERENCE INFORMATION		
(UJF145)	○	(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5	6.166	3.000	-11.700	.000	SREF	5500.0000	SQ.FT.
(UJF146)	□	(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5	8.099	3.000	-11.700	.000	LREF	327.8000	IN.
(UJF147)	◇	(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5	10.174	3.000	-11.700	.000	BREF	2348.0000	IN.
(UJF148)	△	(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5	12.110	3.000	-11.700	.000	XMRP	1339.9100	IN.XC
(UJF149)	▽	(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5	14.219	3.000	-11.700	.000	YMRP	.0000	IN.YC
(UJF150)	◻	(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5	16.235	3.000	-11.700	.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

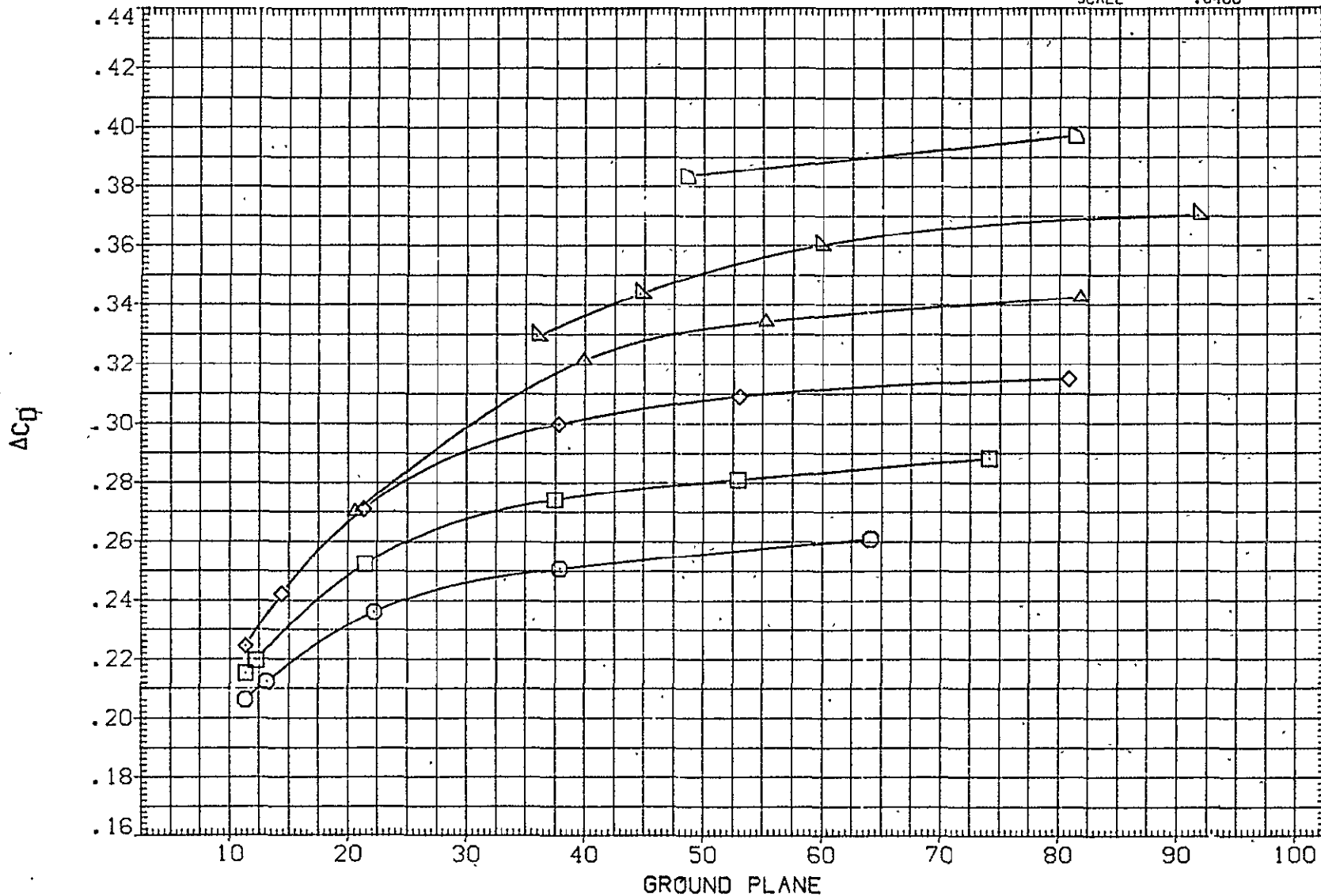


FIG 169 FERRY CON. IN GROUND PROXIMITY. STAB = -2, I ORB = 3, TC ON CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE). GP SWEEPS

(A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA _W	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(UJF145)	○	(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5	6.166	3.000	-11.700	.000	SREF	5500.0000	SQ.FT.
(UJF146)	□	(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5	8.099	3.000	-11.700	.000	LREF	327.8000	IN.
(UJF147)	◇	(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5	10.174	3.000	-11.700	.000	BREF	2348.0000	IN.
(UJF148)	△	(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5	12.110	3.000	-11.700	.000	XMRP	1339.9100	IN.XC
(UJF149)	▽	(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5	14.219	3.000	-11.700	.000	YMRP	.0000	IN.YC
(UJF150)	◻	(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5	16.235	3.000	-11.700	.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

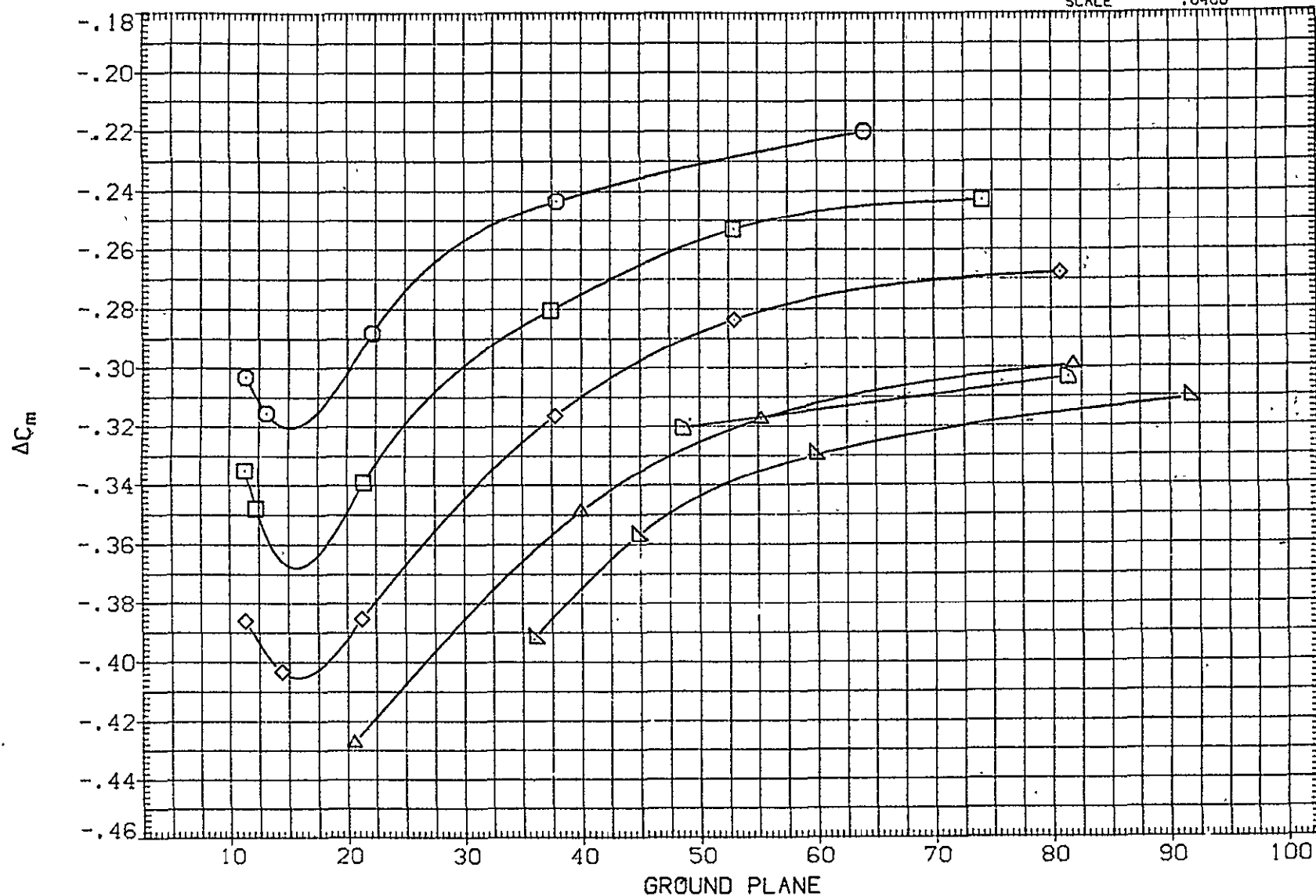


FIG 169 FERRY CON. IN GROUND PROXIMITY, STAB = -2, IORB = 3, TC ON CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), GP SWEEPS

(A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(UJF151)	□	(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5	.159	3.000	-11.700	.000	SREF	5500.0000	SQ.FT.
(UJF152)	◇	(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5	4.158	3.000	-11.700	.000	LREF	327.8000	IN.
(UJF153)	◇	(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5	8.110	3.000	-11.700	.000	BREF	2348.0000	IN.
(UJF154)	△	(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5	6.239	3.000	-11.700	.000	XMRP	1339.9100	IN.XC
(UJF155)	△	(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5	10.147	3.000	-11.700	.000	YMRP	.0000	IN.YC
(UJF156)	△	(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5	12.148	3.000	-11.700	.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

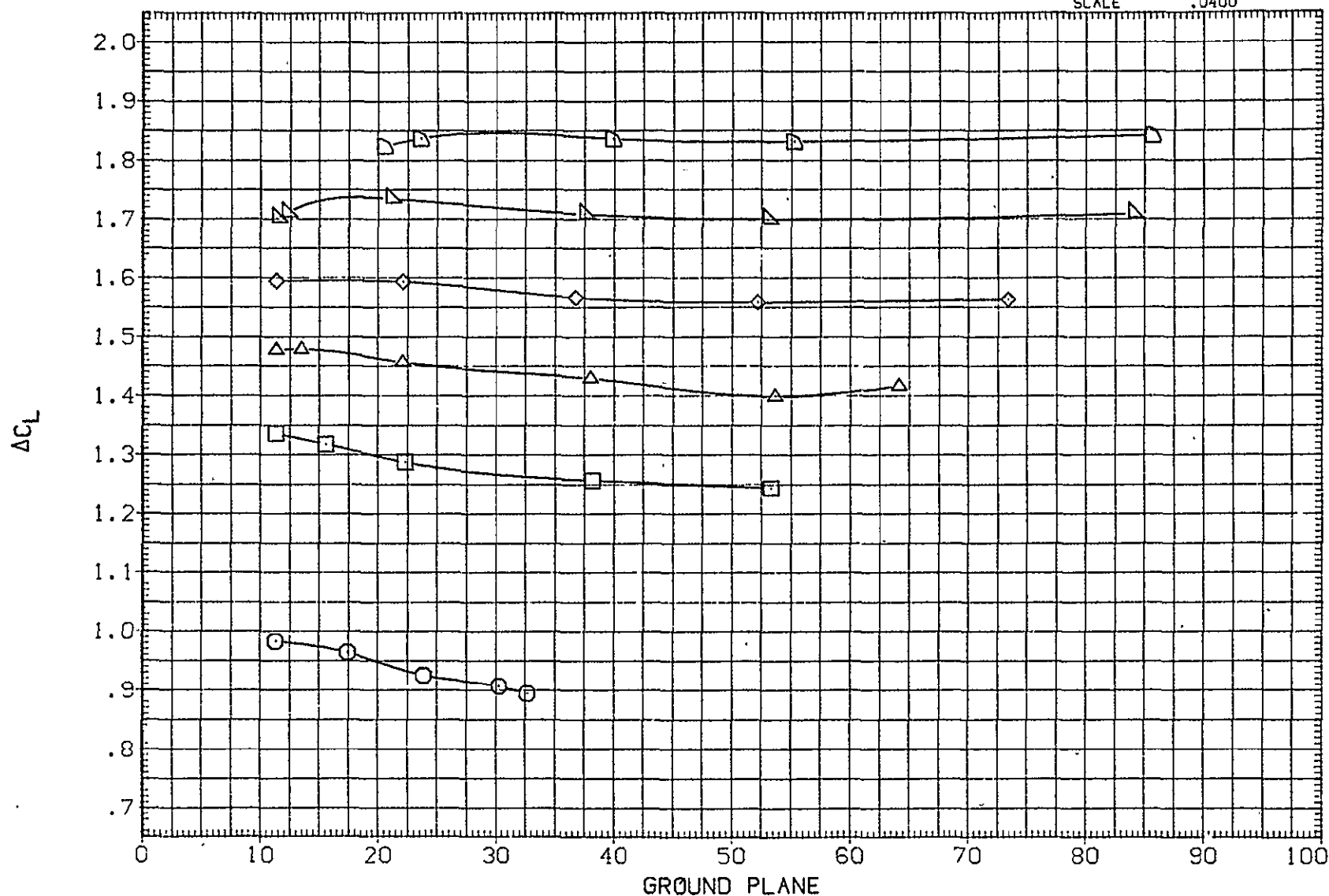


FIG 170 FERRY CON. IN GROUND PROXIMITY, STAB = -4, IORB = 3, TC ON CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BOFLAP	ELEVON	REFERENCE INFORMATION		
(UJF151)	○	(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5	.159	3.000	-11.700	.000	SREF	5500.0000	SQ.FT.
(UJF152)	□	(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5	4.158	3.000	-11.700	.000	LREF	327.8000	IN.
(UJF153)	◇	(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5	8.110	3.000	-11.700	.000	BREF	2348.0000	IN.
(UJF154)	△	(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5	6.239	3.000	-11.700	.000	XMRP	1339.9100	IN.XC
(UJF155)	▽	(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5	10.147	3.000	-11.700	.000	YMRP	.0000	IN.YC
(UJF156)	◻	(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5	12.148	3.000	-11.700	.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

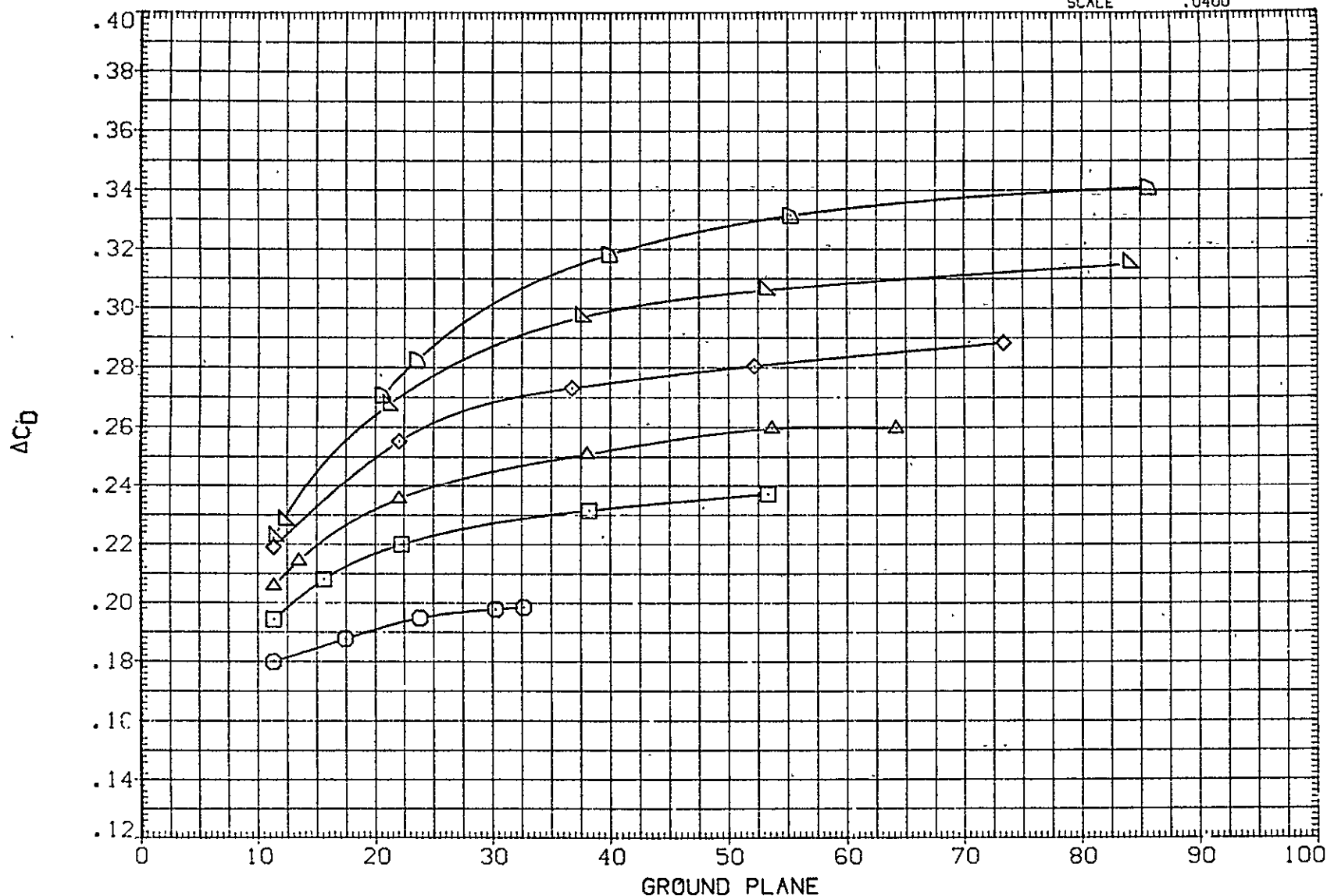


FIG 170 FERRY CON. IN GROUND PROXIMITY, STAB = -4, IORB = 3, TC ON CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA _W	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(UJF151)	○	(CA-8) K2.1TS7H15.6.1F30TS40165.3.5	.159	3.000	-11.700	.000	SREF	5500.0000	50.FT.
(UJF152)	□	(CA-8) K2.1TS7H15.6.1F30TS40165.3.5	4.158	3.000	-11.700	.000	LREF	327.8000	IN.
(UJF153)	×	(CA-8) K2.1TS7H15.6.1F30TS40165.3.5	8.110	3.000	-11.700	.000	BREF	2348.0000	IN.
(UJF154)	△	(CA-8) K2.1TS7H15.6.1F30TS40165.3.5	6.239	3.000	-11.700	.000	XMRP	1339.9100	IN.XC
(UJF155)	◇	(CA-8) K2.1TS7H15.6.1F30TS40165.3.5	10.147	3.000	-11.700	.000	YMRP	.0000	IN.YC
(UJF156)	▽	(CA-8) K2.1TS7H15.6.1F30TS40165.3.5	12.148	3.000	-11.700	.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

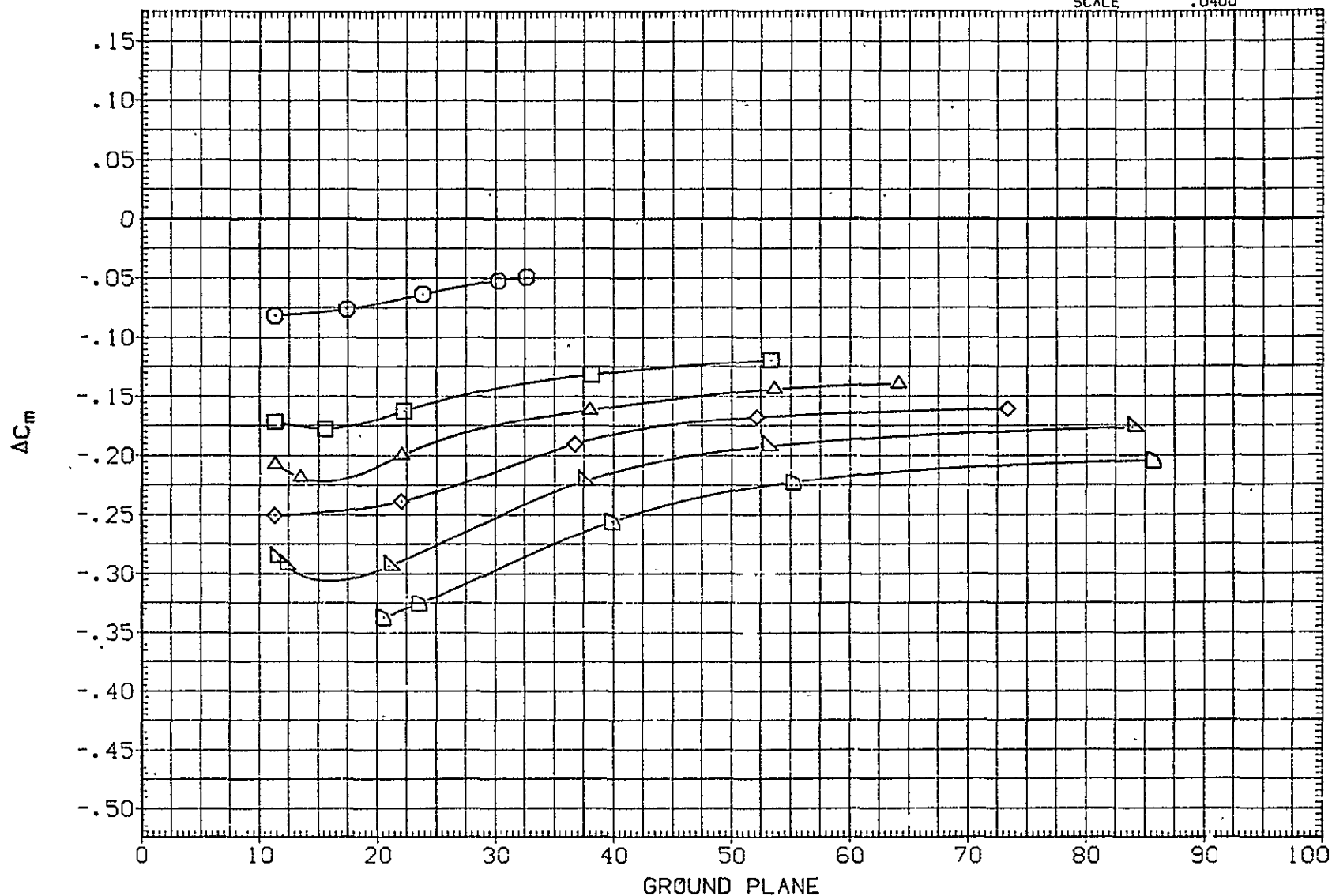


FIG 170 FERRY CON. IN GROUND PROXIMITY, STAB = -4, IORB \approx 3, TC ON CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), GP SWEEPS

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	ICRB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(UJF163)	○	(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5	.158	3.000	-11.700	.000	SREF	5500.0000	SQ.FT.
(UJF164)	◇	(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5	4.201	3.000	-11.700	.000	LREF	327.8000	IN.
(UJF165)	△	(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5	6.049	3.000	-11.700	.000	BREF	2348.0000	IN.
(UJF166)	▽	(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5	8.213	3.000	-11.700	.000	XMRP	1339.9100	IN.XC
(UJF167)	□	(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5	10.229	3.000	-11.700	.000	YMRP	.0000	IN.YC
(UJF168)	◇	(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5	12.130	3.000	-11.700	.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

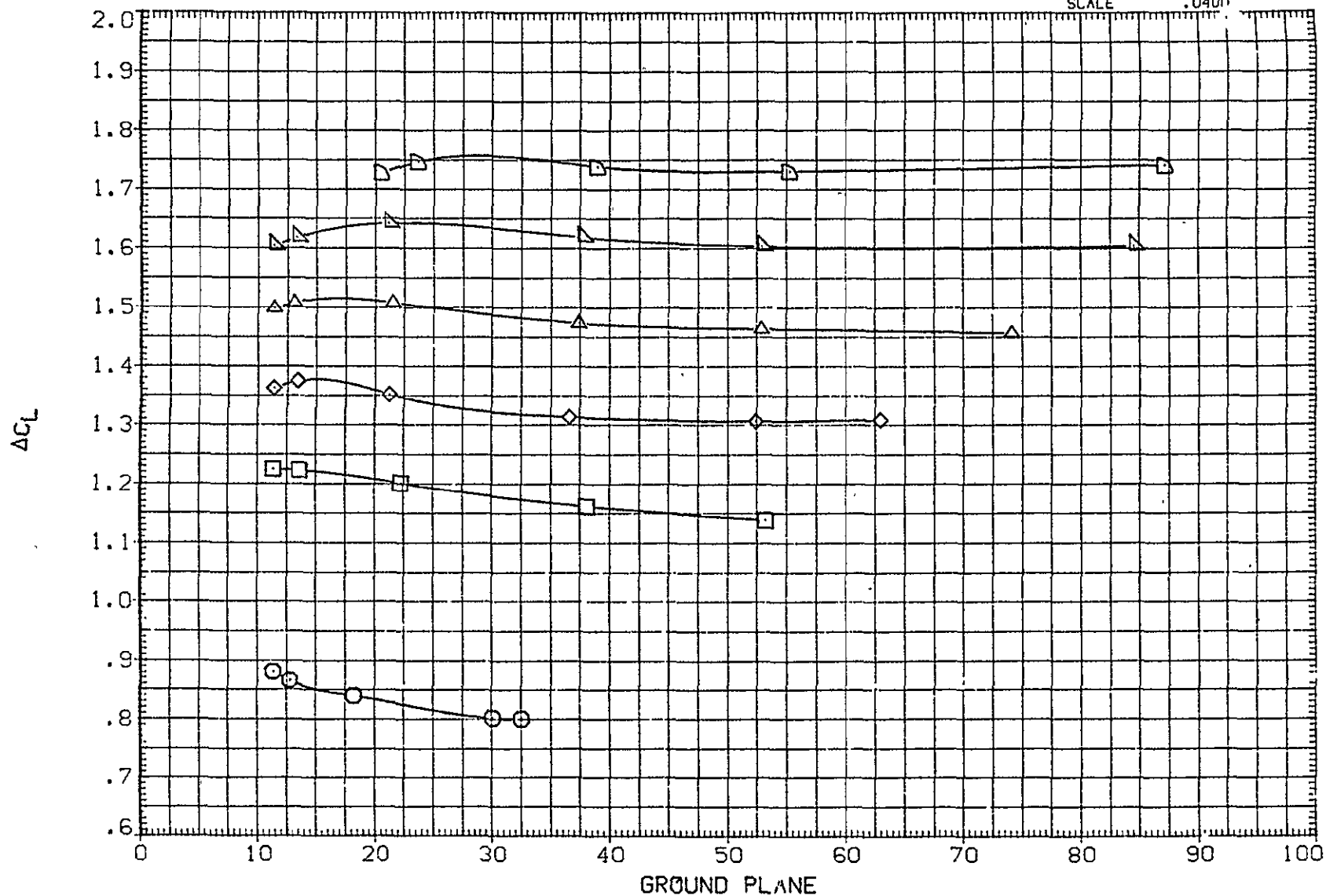


FIG 171 FERRY CON. IN GROUND PROXIMITY, STAB = -2, ELEVTR=-23, ICRB=3, TC ON CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), GP SWEEPS
 (A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA _W	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(UJF163)	○	(CA-8) K2.1TS7H15.6.1F30TS40165.3.5	.158	3.000	-11.700	.000	SREF	5500.0000	SQ.FT.
(UJF164)	□	(CA-8) K2.1TS7H15.6.1F30TS40165.3.5	4.201	3.000	-11.700	.000	LREF	327.8000	IN.
(UJF165)	◇	(CA-8) K2.1TS7H15.6.1F30TS40165.3.5	6.049	3.000	-11.700	.000	BREF	2348.0000	IN.
(UJF166)	△	(CA-8) K2.1TS7H15.6.1F30TS40165.3.5	8.213	3.000	-11.700	.000	XMRP	1339.9100	IN.XC
(UJF167)	▽	(CA-8) K2.1TS7H15.6.1F30TS40165.3.5	10.229	3.000	-11.700	.000	YMRP	.0000	IN.YC
(UJF168)	◻	(CA-8) K2.1TS7H15.6.1F30TS40165.3.5	12.130	3.000	-11.700	.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

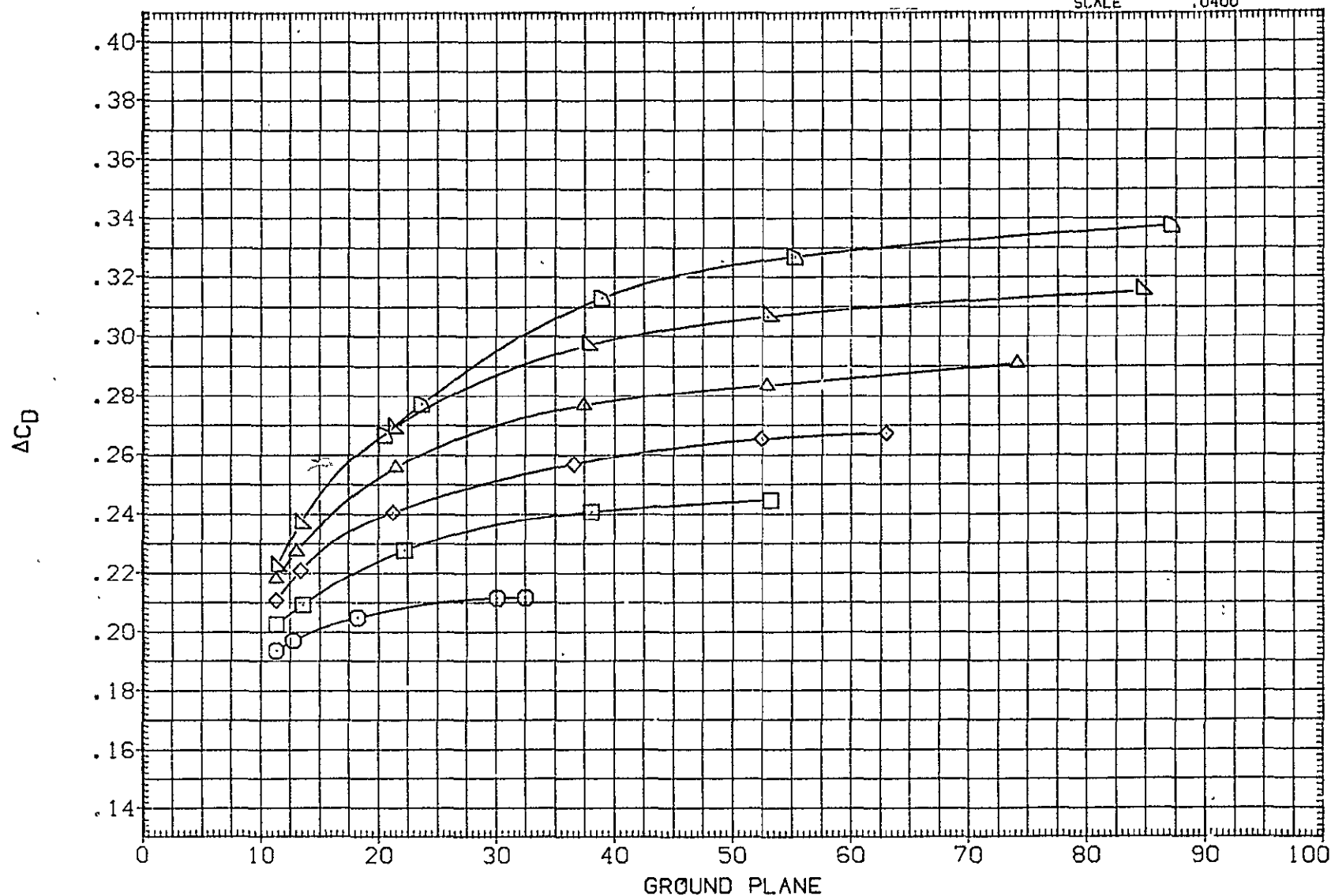


FIG 171 FERRY CON. IN GROUND PROXIMITY, STAB = -2, ELEVTR=-23, IORB=3, TC ON CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), GP SWEEPS
 (A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(UJF163)	○	(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5	.158	3.000	-11.700	.000	SREF	5500.0000	SQ.FT.
(UJF164)	◻	(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5	4.201	3.000	-11.700	.000	LREF	327.8000	IN.
(UJF165)	◇	(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5	6.049	3.000	-11.700	.000	BREF	2348.0000	IN.
(UJF166)	△	(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5	8.213	3.000	-11.700	.000	XMRP	1339.9100	IN.XC
(UJF167)	◻	(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5	10.229	3.000	-11.700	.000	YMRP	.0000	IN.YC
(UJF168)	◻	(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5	12.130	3.000	-11.700	.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

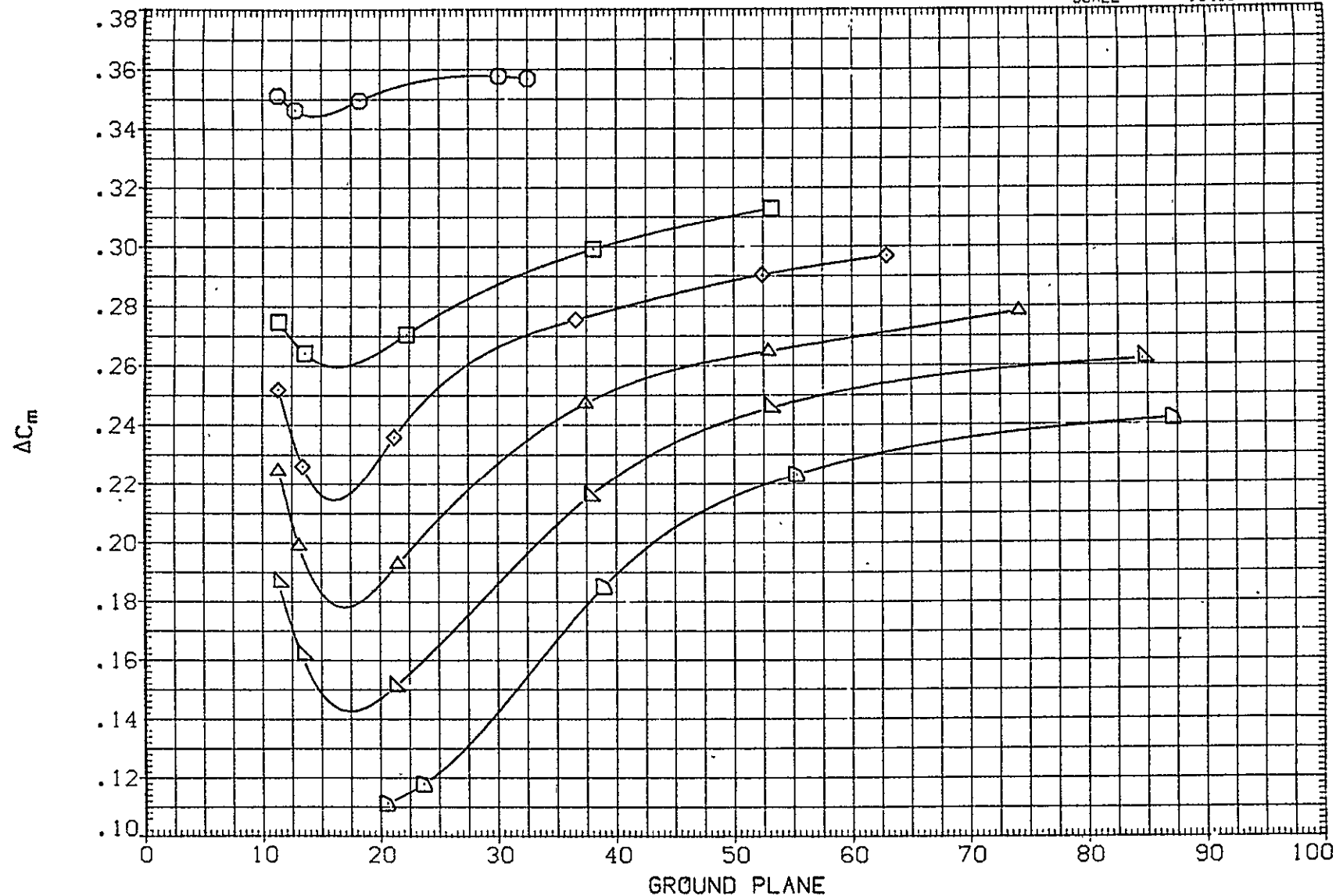


FIG 171 FERRY CON. IN GROUND PROXIMITY, STAB = -2, ELEVTR=-23, IORB=3, TC ON CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(UJF193)	○	(CA-8) K3.1TS7 F30TS40105.3.5	.128	6.000	-11.700	-5.000	SREF	5500.0000	SQ.FT.
(UJF194)	□	(CA-8) K3.1TS7 F30TS40105.3.5	4.126	6.000	-11.700	-5.000	LREF	327.8000	IN.
(UJF195)	◇	(CA-8) K3.1TS7 F30TS40105.3.5	6.186	6.000	-11.700	-5.000	BREF	2348.0000	IN.
(UJF196)	△	(CA-8) K3.1TS7 F30TS40105.3.5	8.187	6.000	-11.700	-5.000	XMPP	1339.9100	IN.XC
(UJF197)	▽	(CA-8) K3.1TS7 F30TS40105.3.5	10.192	6.000	-11.700	-5.000	YMPP	.0000	IN.YC
(UJF198)	◻	(CA-8) K3.1TS7 F30TS40105.3.5	12.168	6.000	-11.700	-5.000	ZMPP	190.7500	IN.ZC
							SCALE	.0400	

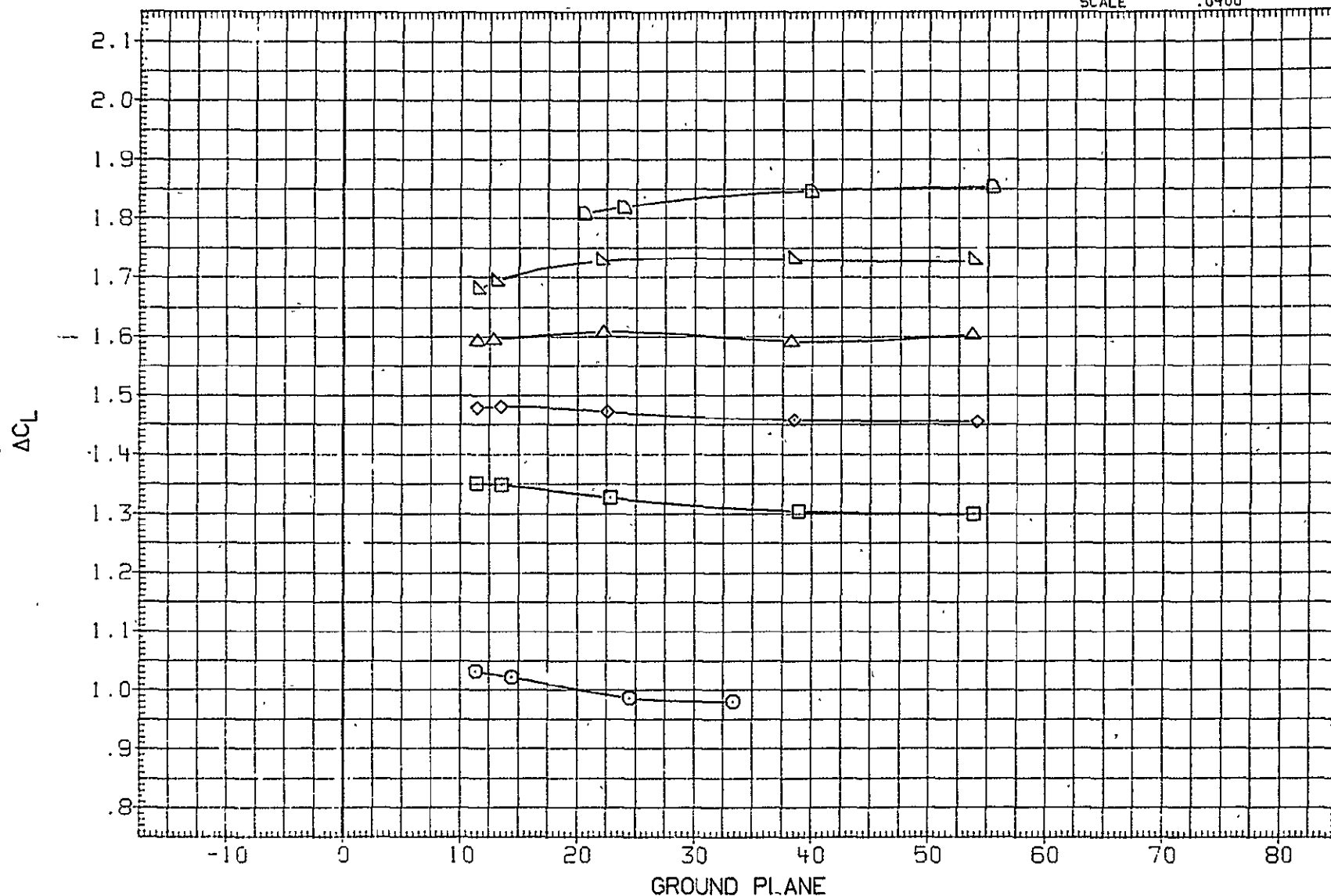


FIG 172 FERRY CON. IN GROUND PROXIMITY, HORIZ OFF, IORB=6, TC ON CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), GP SWEEPS

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(UJF193)	○	(CA-8) K3.1TS7 F30TS401G5.3.5	.128	6.000	-11.700	-5.000	SREF	5500.0000	SQ.FT.
(UJF194)	□	(CA-8) K3.1TS7 F30TS401G5.3.5	4.126	6.000	-11.700	-5.000	LREF	327.8000	IN.
(UJF195)	◇	(CA-8) K3.1TS7 F30TS401G5.3.5	6.186	6.000	-11.700	-5.000	BREF	2348.0000	IN.
(UJF196)	△	(CA-8) K3.1TS7 F30TS401G5.3.5	8.187	6.000	-11.700	-5.000	XMRP	1339.9100	IN.XC
(UJF197)	▲	(CA-8) K3.1TS7 F30TS401G5.3.5	10.192	6.000	-11.700	-5.000	YMRP	.0000	IN.YC
(UJF198)	▢	(CA-8) K3.1TS7 F30TS401G5.3.5	12.168	6.000	-11.700	-5.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

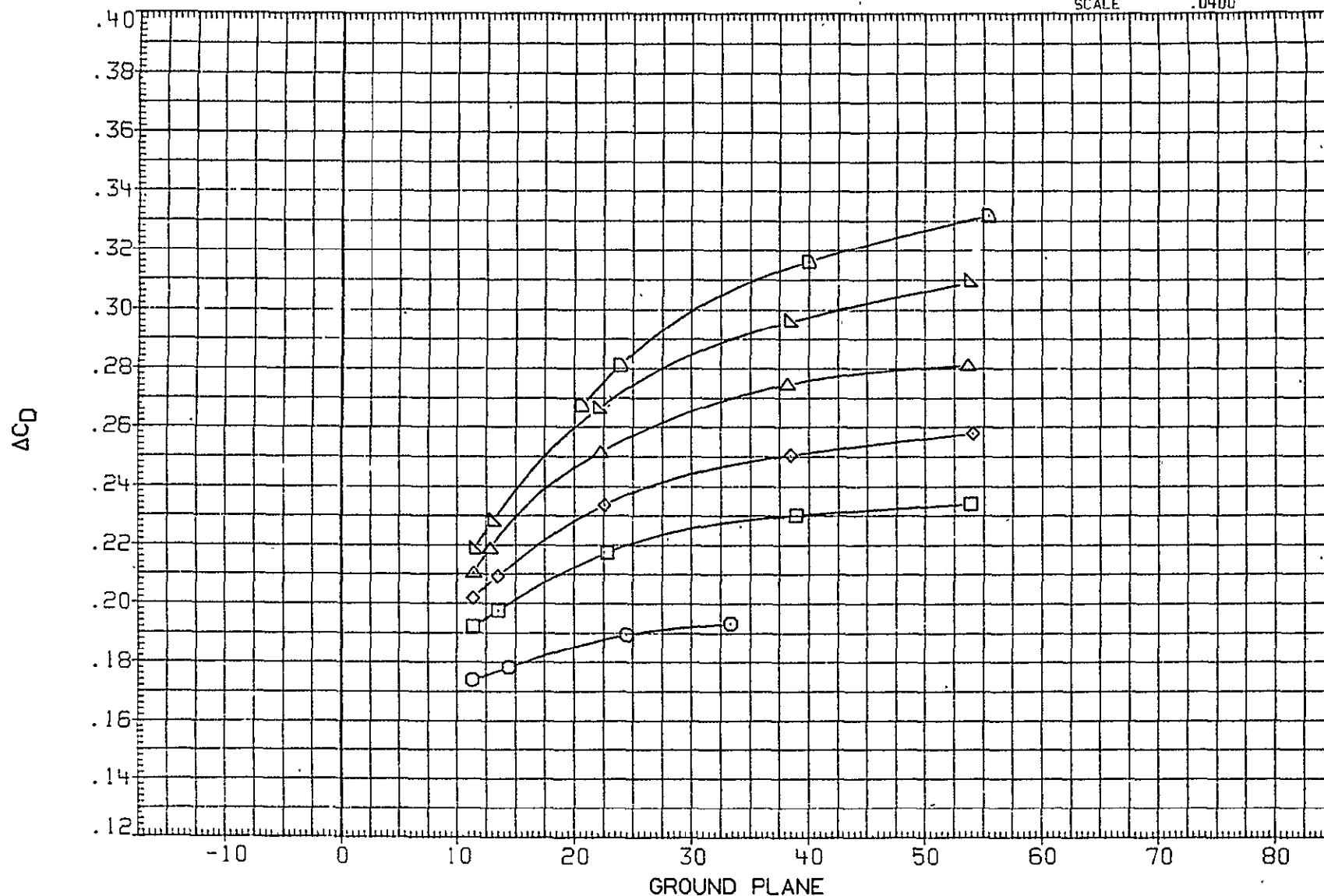


FIG 172 FERRY CON. IN GROUND PROXIMITY, HORIZ OFF, IORB=6, TC ON
 CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), GP SWEEPS
 (A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA W	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(UJF193)	○	(CA-8) K3.1TS7 F30TS401G5.3.5	.128	6.000	-11.700	-5.000	SREF	5500.0000	SQ.FT.
(UJF194)	◇	(CA-8) K3.1TS7 F30TS401G5.3.5	4.126	6.000	-11.700	-5.000	LREF	327.8000	IN.
(UJF195)	□	(CA-8) K3.1TS7 F30TS401G5.3.5	6.186	6.000	-11.700	-5.000	BREF	2348.0000	IN.
(UJF196)	△	(CA-8) K3.1TS7 F30TS401G5.3.5	8.187	6.000	-11.700	-5.000	XMRP	1339.9100	IN.XC
(UJF197)	▽	(CA-8) K3.1TS7 F30TS401G5.3.5	10.192	6.000	-11.700	-5.000	YMRP	.0000	IN.YC
(UJF198)	◻	(CA-8) K3.1TS7 F30TS401G5.3.5	12.168	6.000	-11.700	-5.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

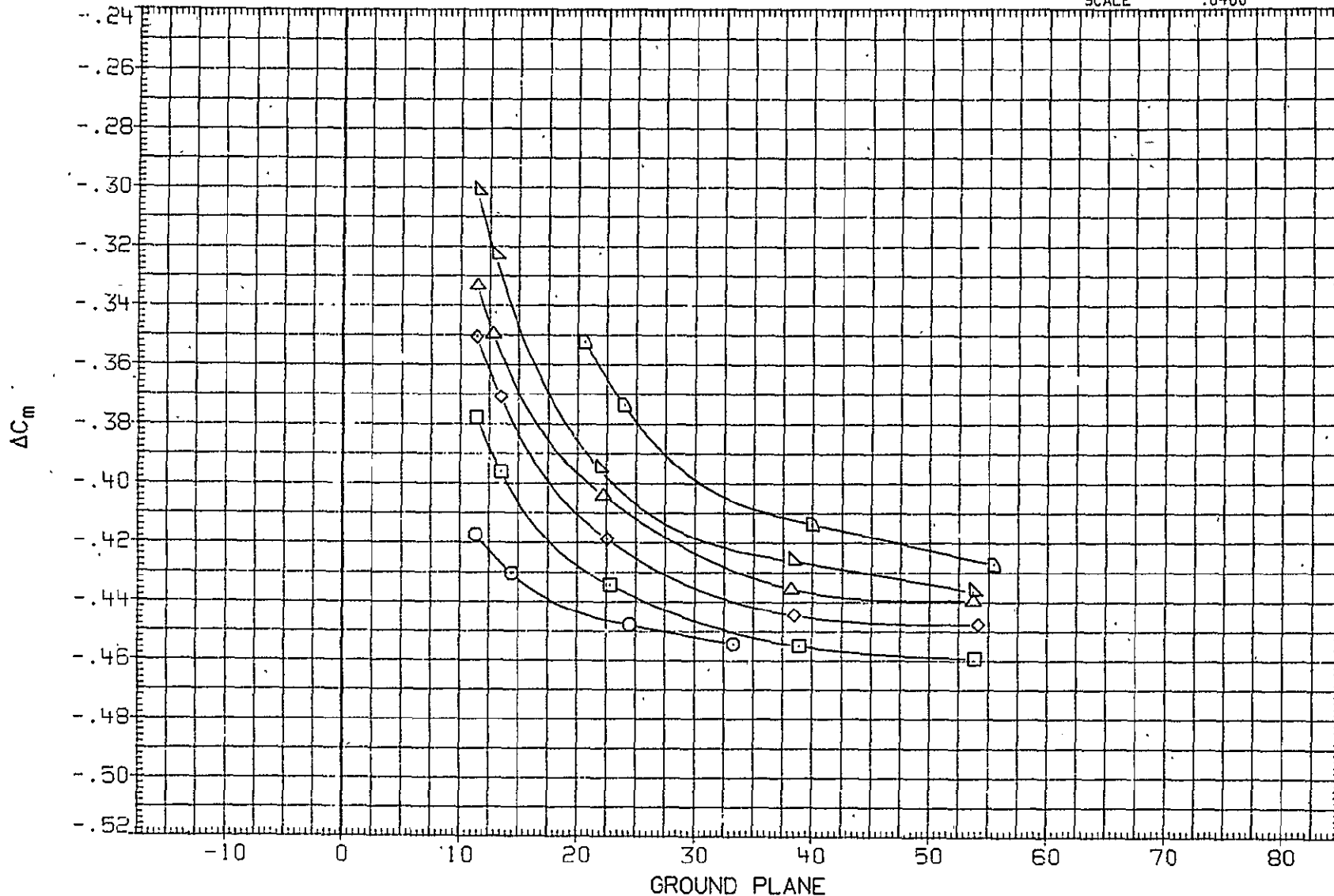


FIG 172 FERRY CON. IN GROUND PROXIMITY, HORIZ OFF, IORB=6, TC ON
 CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), GP SWEEPS
 (A) MACH = 15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA W	IORB	BDFIAP	ELEVON	REFERENCE INFORMATION		
(UJF180)	○	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	.151	6.000	-11.700	-5.000	SREF	5500.0000	SQ.FT.
(UJF175)	□	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	4.171	6.000	-11.700	-5.000	LREF	327.8000	IN.
(UJF176)	◇	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	6.173	6.000	-11.700	-5.000	BREF	2348.0000	IN.
(UJF177)	△	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	8.173	6.000	-11.700	-5.000	XMRP	1339.9100	IN.XC
(UJF178)	▽	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	10.137	6.000	-11.700	-5.000	YMRP	.0000	IN.YC
(UJF179)	◻	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	12.198	6.000	-11.700	-5.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

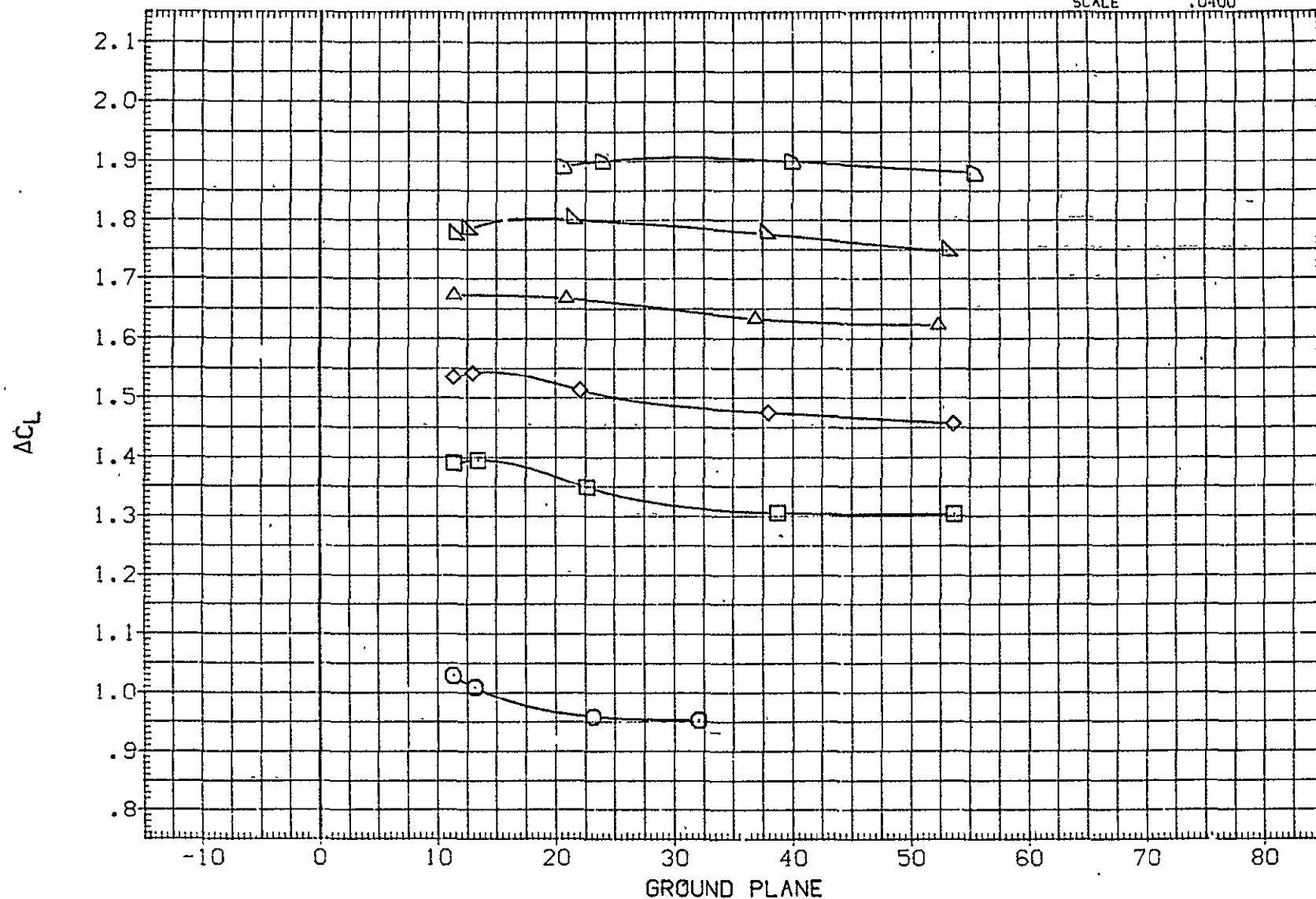


FIG 173 FERRY CON. IN GROUND PROXIMITY, STAB = 2, ELEVTR=-23, IORB=6, TC ON CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), GP SWEEPS
 (A)MACH = .15

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DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(UJF180)	○	(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5	.151	6.000	-11.700	-5.000	SREF	5500.0000	SQ.FT.
(UJF175)	□	(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5	4.171	6.000	-11.700	-5.000	LREF	327.8000	IN.
(UJF176)	◇	(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5	6.173	6.000	-11.700	-5.000	BREF	2348.0000	IN.
(UJF177)	△	(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5	8.173	6.000	-11.700	-5.000	XMRP	1339.9100	IN.XC
(UJF178)	▽	(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5	10.137	6.000	-11.700	-5.000	YMRP	.0000	IN.YC
(UJF179)	◊	(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5	12.198	6.000	-11.700	-5.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

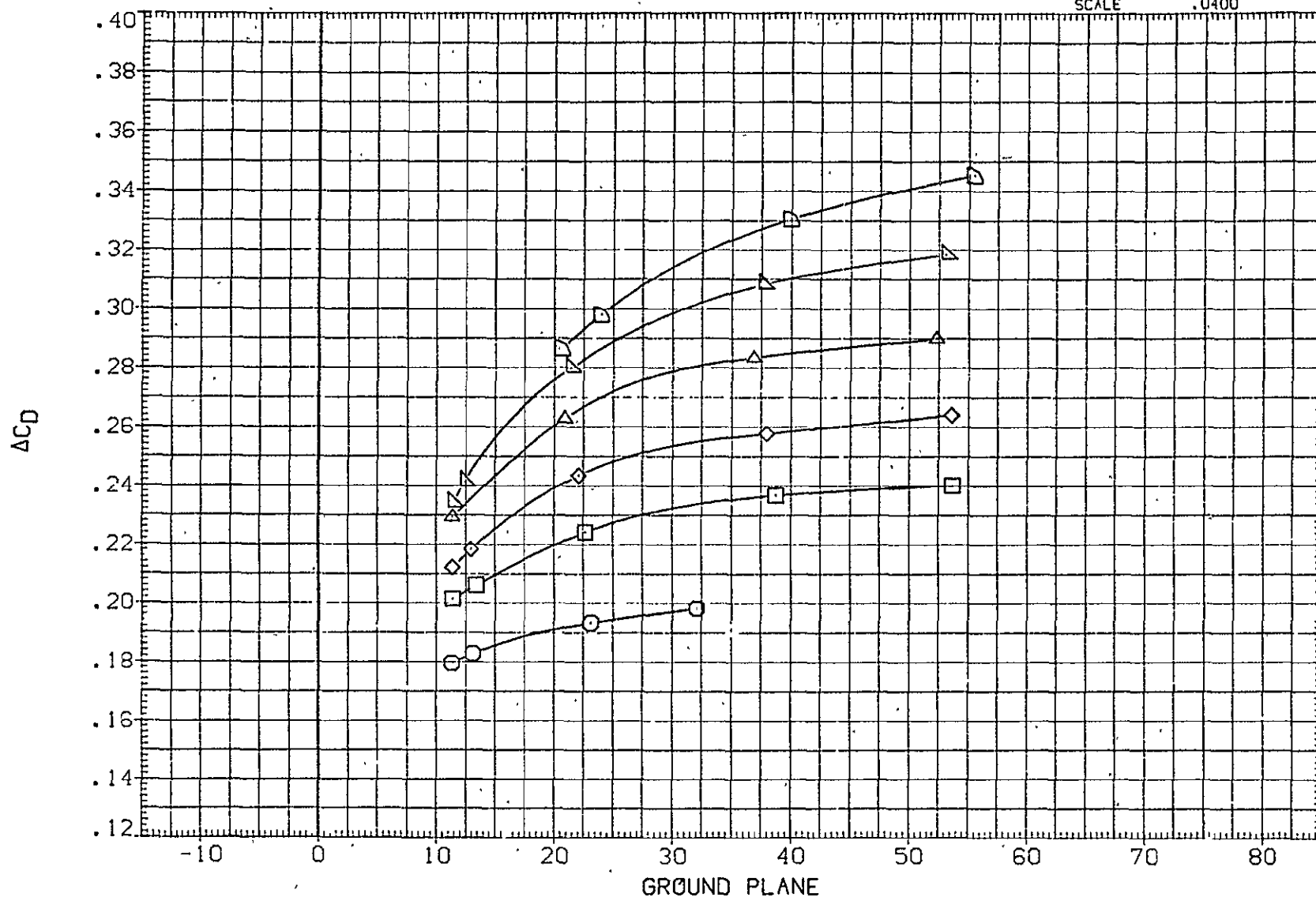


FIG 173 FERRY CON. IN GROUND PROXIMITY, STAB = 2, ELEVTR=-23, IORB=6, TC ON CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), GP SWEEPS
 (A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	IORB	RDFLAP	ELEVON	REFERENCE INFORMATION		
(UJF180)	○	(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5	.151	6.000	-11.700	-5.000	SREF	5500.0000	SQ.FT.
(UJF175)	□	(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5	4.171	6.000	-11.700	-5.000	LREF	327.8000	IN.
(UJF176)	◇	(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5	6.173	6.000	-11.700	-5.000	BREF	2348.0000	IN.
(UJF177)	△	(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5	8.173	6.000	-11.700	-5.000	XMRP	1339.9100	IN.XC
(UJF178)	▽	(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5	10.137	6.000	-11.700	-5.000	YMRP	.0000	IN.YC
(UJF179)	◊	(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5	12.198	6.000	-11.700	-5.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

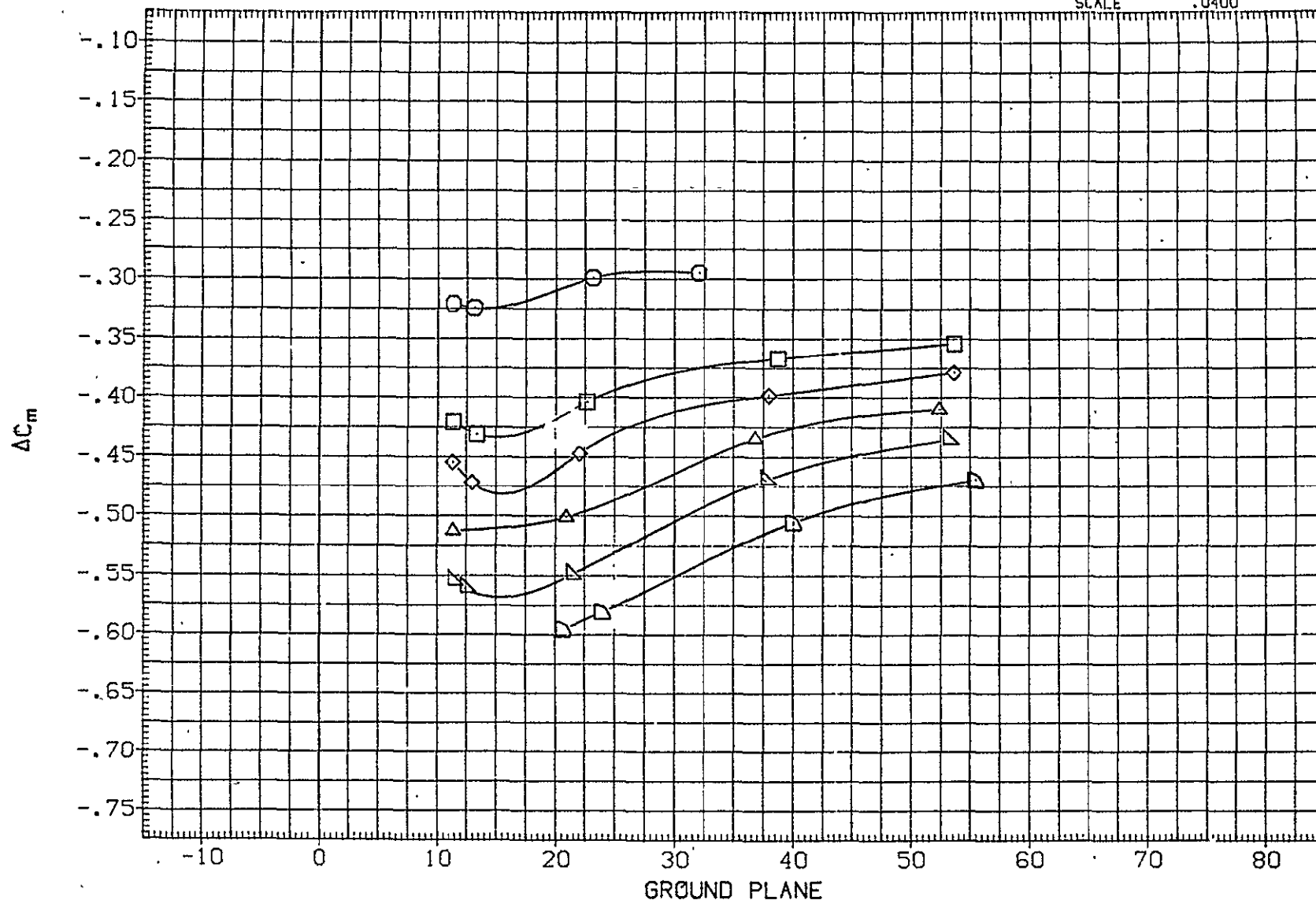


FIG 173 FERRY CON. IN GROUND PROXIMITY, STAB = 2, ELEVTR=-23, IORB=6. TC ON CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), GP SWEEPS
 (A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA _W	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(UJF181)	○	(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5	.167	6.000	-11.700	-5.000	SREF	5500.0000	SQ.FT.
(UJF182)	□	(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5	4.137	6.000	-11.700	-5.000	LREF	327.8000	IN.
(UJF183)	◇	(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5	6.180	6.000	-11.700	-5.000	BREF	2348.0000	IN.
(UJF184)	△	(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5	8.158	6.000	-11.700	-5.000	XM RP	1339.9100	IN.XC
(UJF185)	▽	(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5	10.175	6.000	-11.700	-5.000	YM RP	.0000	IN.YC
(UJF186)	◻	(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5	12.161	6.000	-11.700	-5.000	ZM RP	190.7500	IN.ZC
							SCALE	.0400	

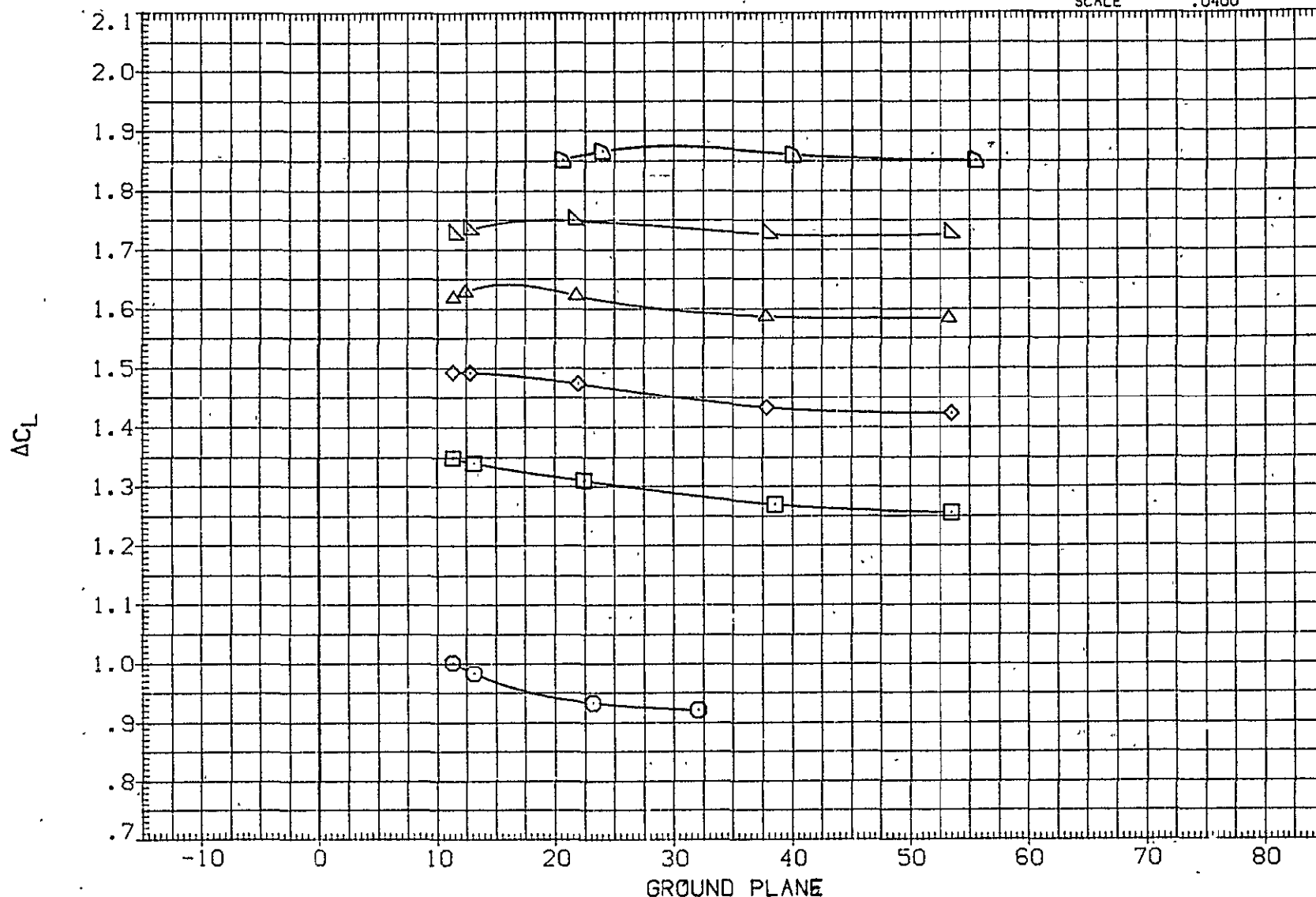


FIG 174 FERRY CON. IN GROUND PROXIMITY, STAB = 0, ELEVTR=-23, IORB=6, TC ON CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), GP SWEEPS

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(UJF181)	○	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	.167	6.000	-11.700	-5.000	SREF	5500.0000	50.FT.
(UJF182)	□	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	4.137	6.000	-11.700	-5.000	LREF	327.8000	IN.
(UJF183)	◇	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	6.180	6.000	-11.700	-5.000	BREF	2348.0000	IN.
(UJF184)	△	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	8.158	6.000	-11.700	-5.000	XMRP	1339.9100	IN.XC
(UJF185)	▽	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	10.175	6.000	-11.700	-5.000	YMRP	.0000	IN.YC
(UJF186)	◻	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	12.161	6.000	-11.700	-5.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

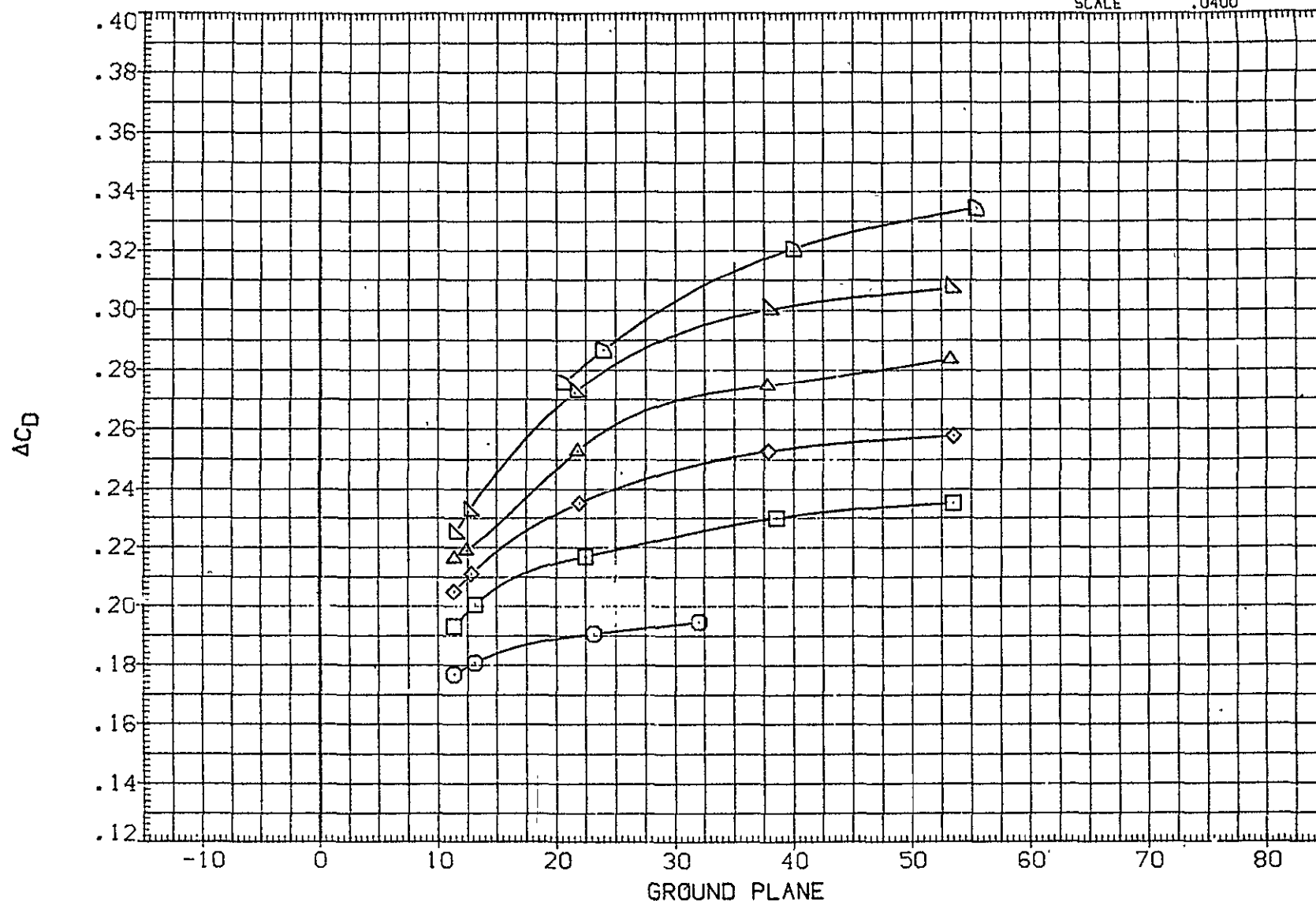


FIG 174 FERRY CON. IN GROUND PROXIMITY, STAB = 0, ELEVTR=-23, IORB=6, TC ON CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(UJF181)	○	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	.167	6.000	-11.700	-5.000	SREF	5500.0000	50. FT.
(UJF182)	□	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	4.137	6.000	-11.700	-5.000	LREF	327.8000	IN.
(UJF183)	◇	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	6.180	6.000	-11.700	-5.000	BREF	2348.0000	IN.
(UJF184)	△	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	8.158	6.000	-11.700	-5.000	XMRF	1339.9100	IN. XC
(UJF185)	▽	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	10.175	6.000	-11.700	-5.000	YMRP	.0000	IN. YC
(UJF186)	◻	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	12.161	6.000	-11.700	-5.000	ZMRP	190.7500	IN. ZC
							SCALE	.0400	

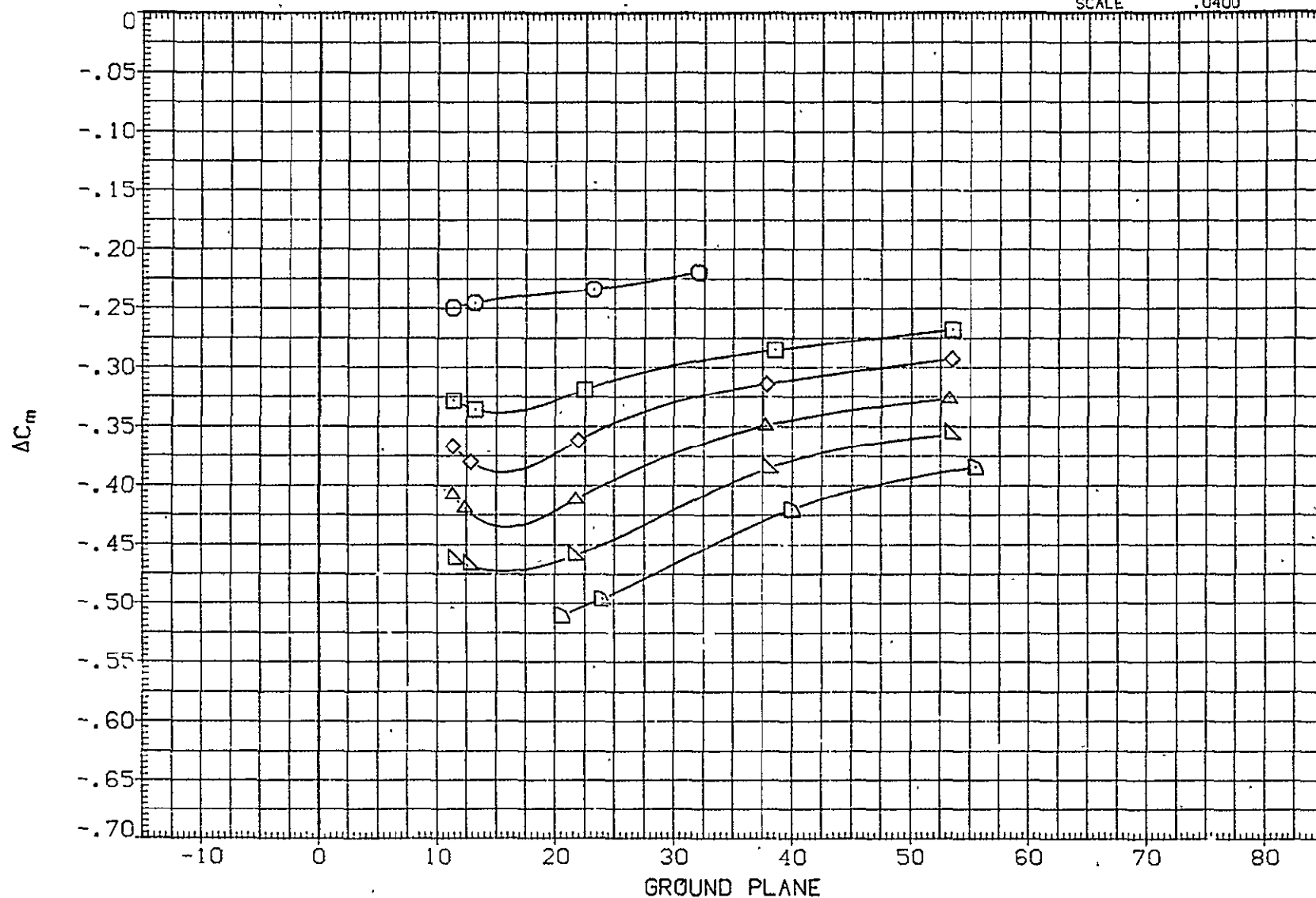


FIG 174 FERRY CON. IN GROUND PROXIMITY, STAB = 0, ELEVTR=-23, IORB=6, TC ON CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), GP SWEEPS (A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(UJF187)	○	(CA-8) K3.1TS7H15.6.1F30TS40165.3.5	.179	6.000	-11.700	-5.000	SREF	5500.0000	50.FT.
(UJF188)	□	(CA-8) K3.1TS7H15.6.1F30TS40165.3.5	4.122	6.000	-11.700	-5.000	LREF	327.8000	IN.
(UJF189)	◇	(CA-8) K3.1TS7H15.6.1F30TS40165.3.5	6.123	6.000	-11.700	-5.000	BREF	2348.0000	IN.
(UJF190)	△	(CA-8) K3.1TS7H15.6.1F30TS40165.3.5	8.153	6.000	-11.700	-5.000	XMRP	1339.9100	IN.XC
(UJF191)	▽	(CA-8) K3.1TS7H15.6.1F30TS40165.3.5	10.190	6.000	-11.700	-5.000	YMRP	.0000	IN.YC
(UJF192)	◻	(CA-8) K3.1TS7H15.6.1F30TS40165.3.5	12.151	6.000	-11.700	-5.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

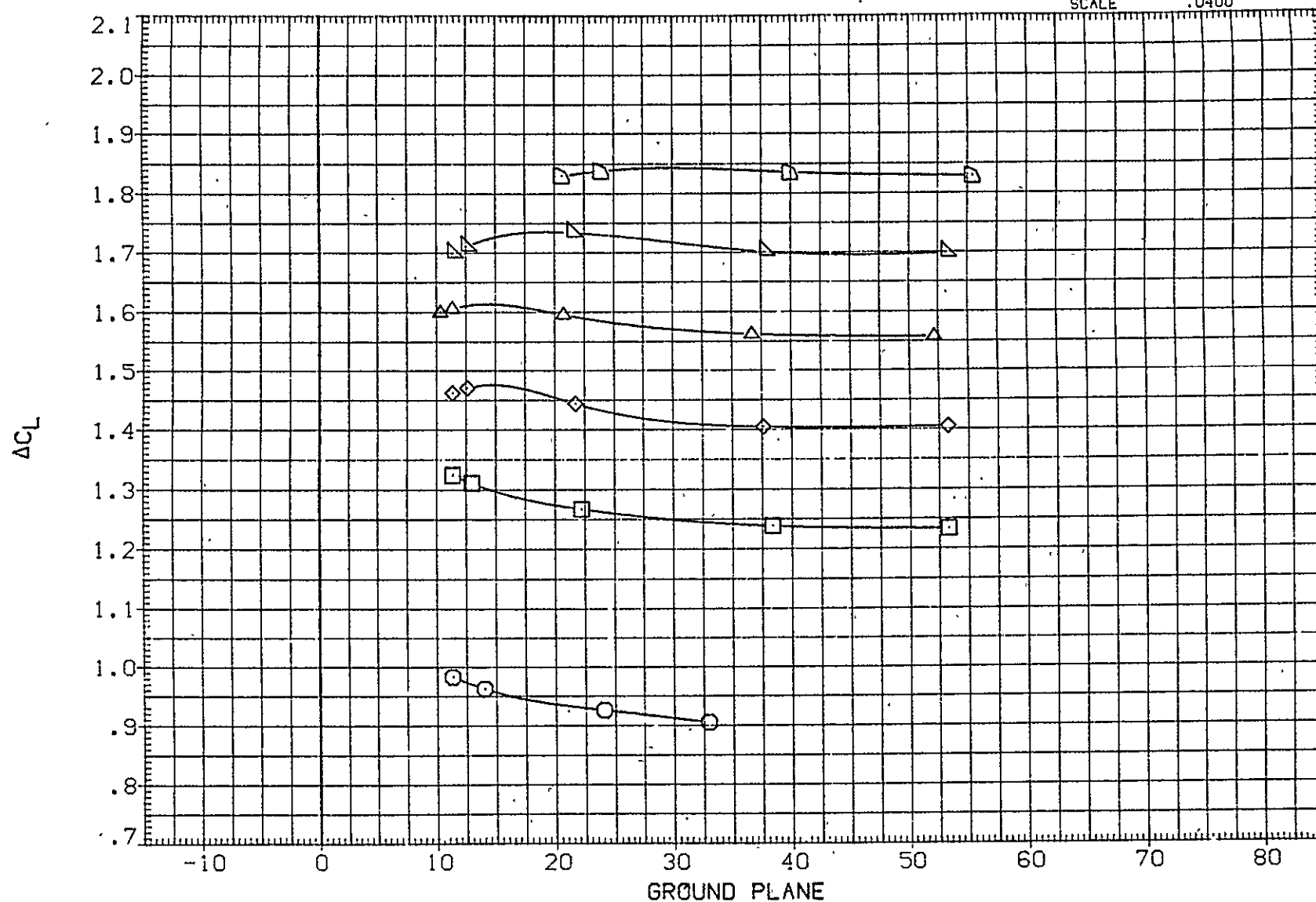


FIG 175 FERRY CON. IN GROUND PROXIMITY, STAB = -2, ELEVTR=-23, IORB=6, TC ON CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(UJF187)	○	(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5	.179	6.000	-11.700	-5.000	SREF	5500.0000	SQ.FT.
(UJF188)	◇	(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5	4.122	6.000	-11.700	-5.000	LREF	327.8000	IN.
(UJF189)	◇	(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5	6.123	6.000	-11.700	-5.000	BREF	2348.0000	IN.
(UJF190)	△	(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5	8.153	6.000	-11.700	-5.000	XMRP	1339.9100	IN.XC
(UJF191)	△	(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5	10.190	6.000	-11.700	-5.000	YMRP	.0000	IN.YC
(UJF192)	△	(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5	12.151	6.000	-11.700	-5.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

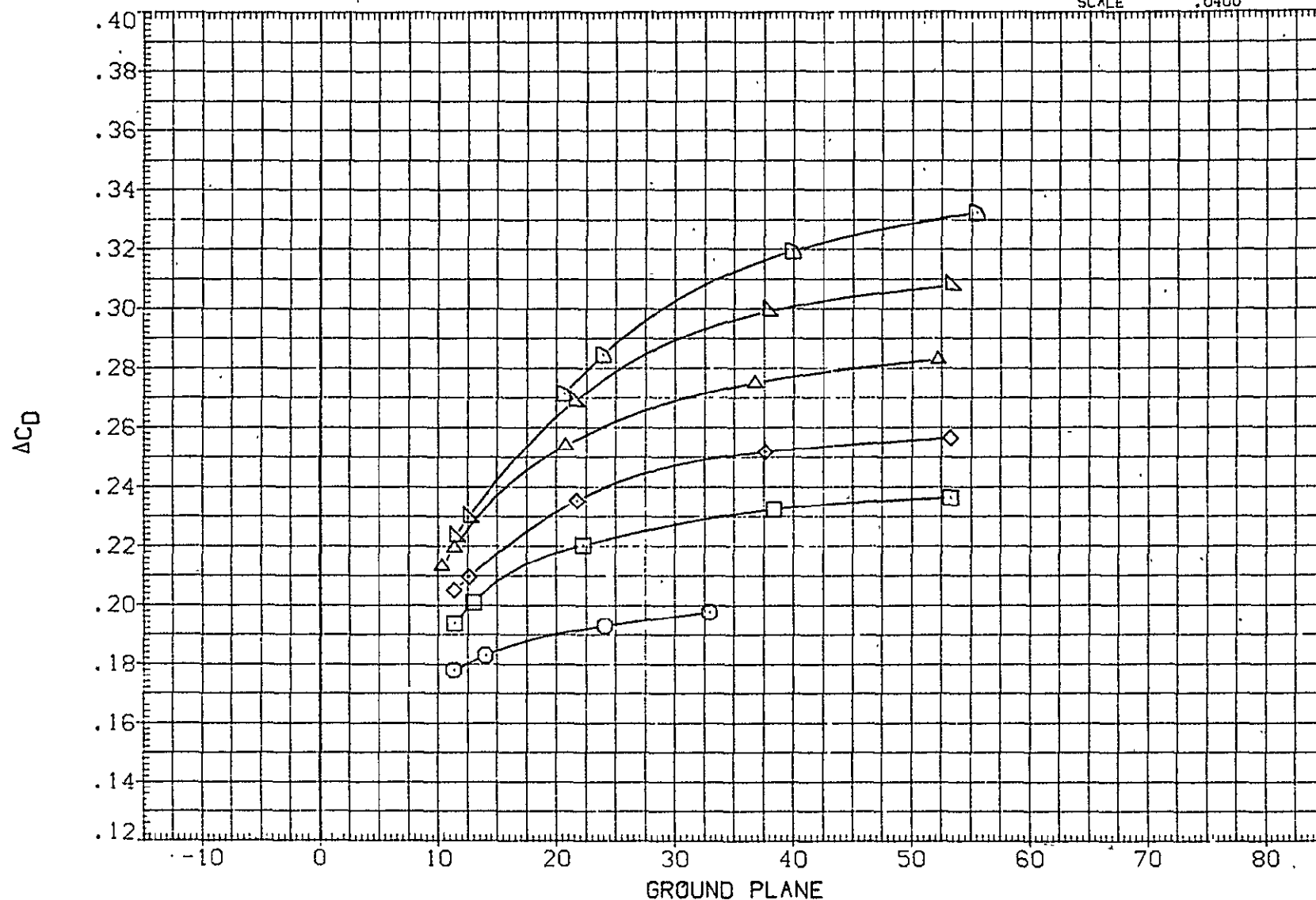


FIG 175 FERRY CON. IN GROUND PROXIMITY, STAB = -2, ELEVTR=-23, IORB=6, TC ON CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), GP SWEEPS
 (A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(UJF187)	○	(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5	.179	6.000	-11.700	-5.000	SREF	5500.0000	SQ.FT.
(UJF188)	□	(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5	4.122	6.000	-11.700	-5.000	LREF	327.8000	IN.
(UJF189)	◇	(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5	6.123	6.000	-11.700	-5.000	BREF	2348.0000	IN.
(UJF190)	△	(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5	8.153	6.000	-11.700	-5.000	XMRP	1339.9100	IN.YC
(UJF191)	▽	(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5	10.190	6.000	-11.700	-5.000	YMRP	.0000	IN.YC
(UJF192)	◁	(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5	12.151	6.000	-11.700	-5.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

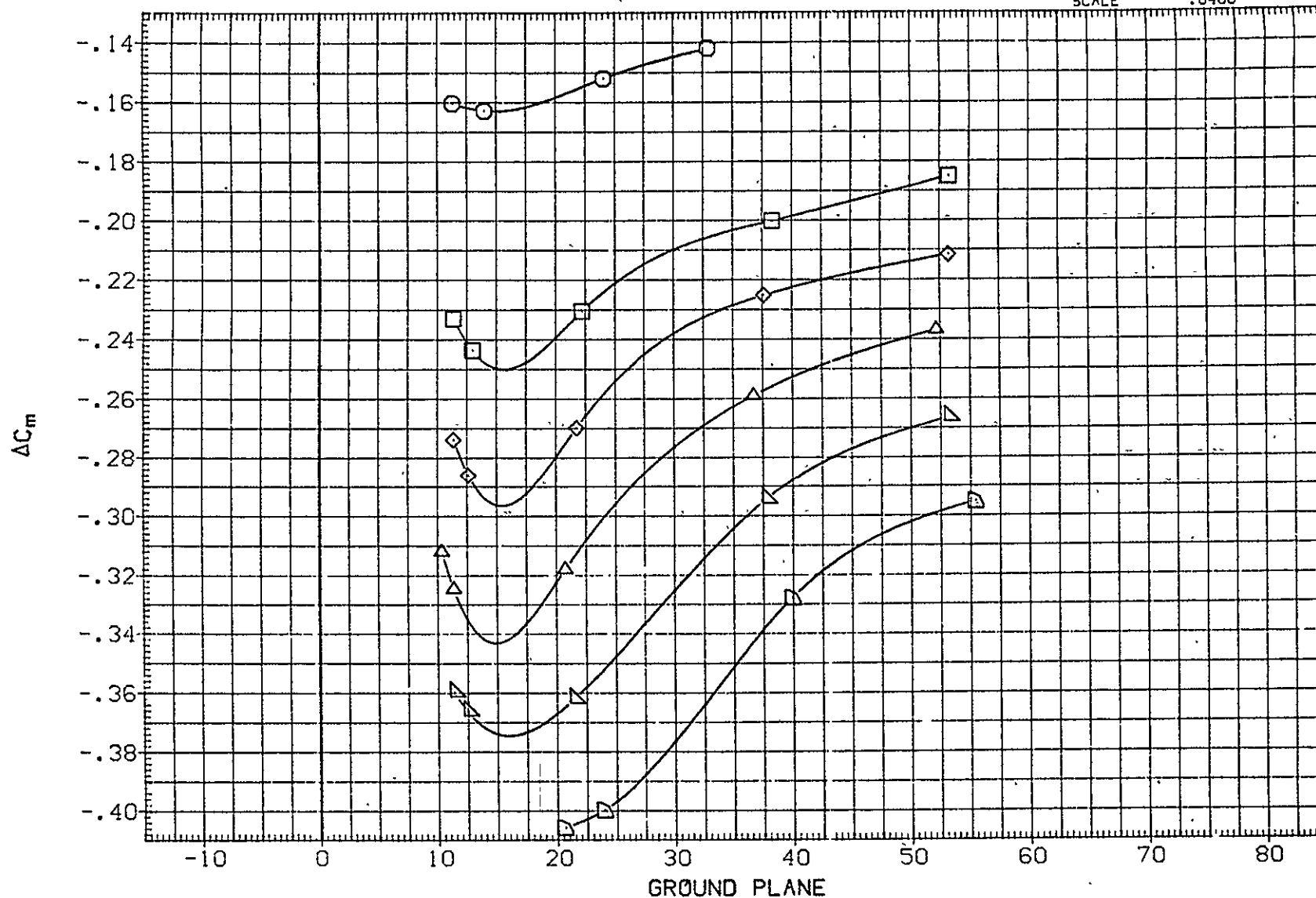


FIG 175 FERRY CON. IN GROUND PROXIMITY, STAB = -2, ELEVTR=-23, IORB=6, TC ON CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), GP SWEEPS
 (A)MACH = .15 PAGE 602

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(UJF199)	○	(CA-8) K3.1TS7H15.6.1F30TS40165.3.5	.171	6.000	-11.700	-5.000	SREF	5500.0000	SQ.FT.
(UJF200)	□	(CA-8) K3.1TS7H15.6.1F30TS40165.3.5	4.098	6.000	-11.700	-5.000	LREF	327.8000	IN.
(UJF201)	◇	(CA-8) K3.1TS7H15.6.1F30TS40165.3.5	6.137	6.000	-11.700	-5.000	BREF	2348.0000	IN.
(UJF202)	△	(CA-8) K3.1TS7H15.6.1F30TS40165.3.5	8.191	6.000	-11.700	-5.000	XMRP	1339.9100	IN.XC
(UJF203)	▽	(CA-8) K3.1TS7H15.6.1F30TS40165.3.5	10.129	6.000	-11.700	-5.000	YMRP	.0000	IN.YC
(UJF204)	◊	(CA-8) K3.1TS7H15.6.1F30TS40165.3.5	12.192	6.000	-11.700	-5.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

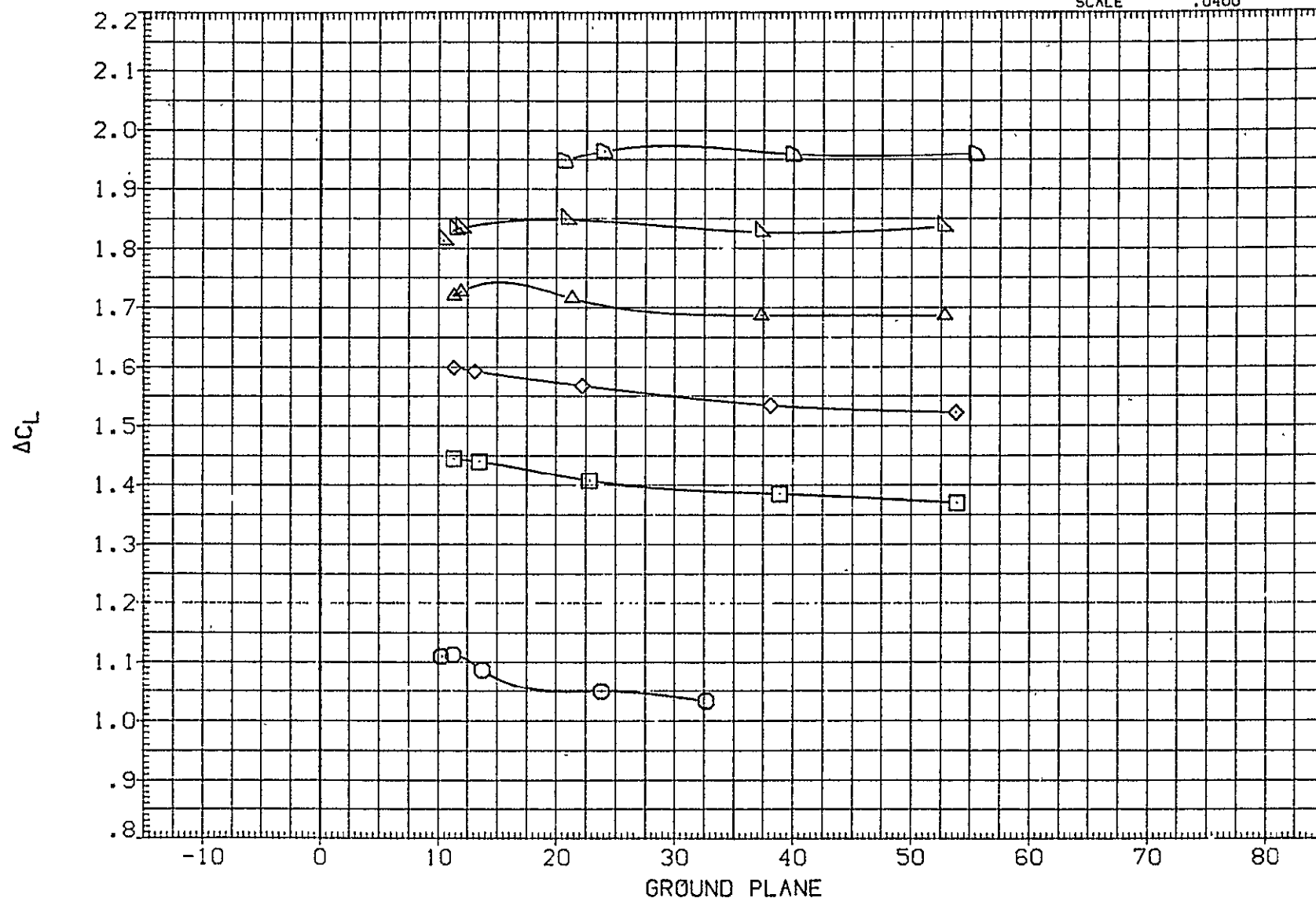


FIG 176 FERRY CON. IN GROUND PROXIMITY, STAB = 0, ELEVTR= 17, IORB=6, TC ON CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), GP SWEEPS
 (A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
{UJF199}	○	{CA-8} K3.1TS7H15.6.1F30TS401G5.3.5	.171	6.000	-11.700	-5.000	SREF	5500.0000	SQ.FT.
{UJF200}	□	{CA-8} K3.1TS7H15.6.1F30TS401G5.3.5	4.098	6.000	-11.700	-5.000	LREF	327.8000	IN.
{UJF201}	◇	{CA-8} K3.1TS7H15.6.1F30TS401G5.3.5	6.137	6.000	-11.700	-5.000	BREF	2348.0000	IN.
{UJF202}	△	{CA-8} K3.1TS7H15.6.1F30TS401G5.3.5	8.191	6.000	-11.700	-5.000	XMRP	1339.9100	IN.XC
{UJF203}	▽	{CA-8} K3.1TS7H15.6.1F30TS401G5.3.5	10.129	6.000	-11.700	-5.000	YMRP	.0000	IN.YC
{UJF204}	◻	{CA-8} K3.1TS7H15.6.1F30TS401G5.3.5	12.192	6.000	-11.700	-5.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

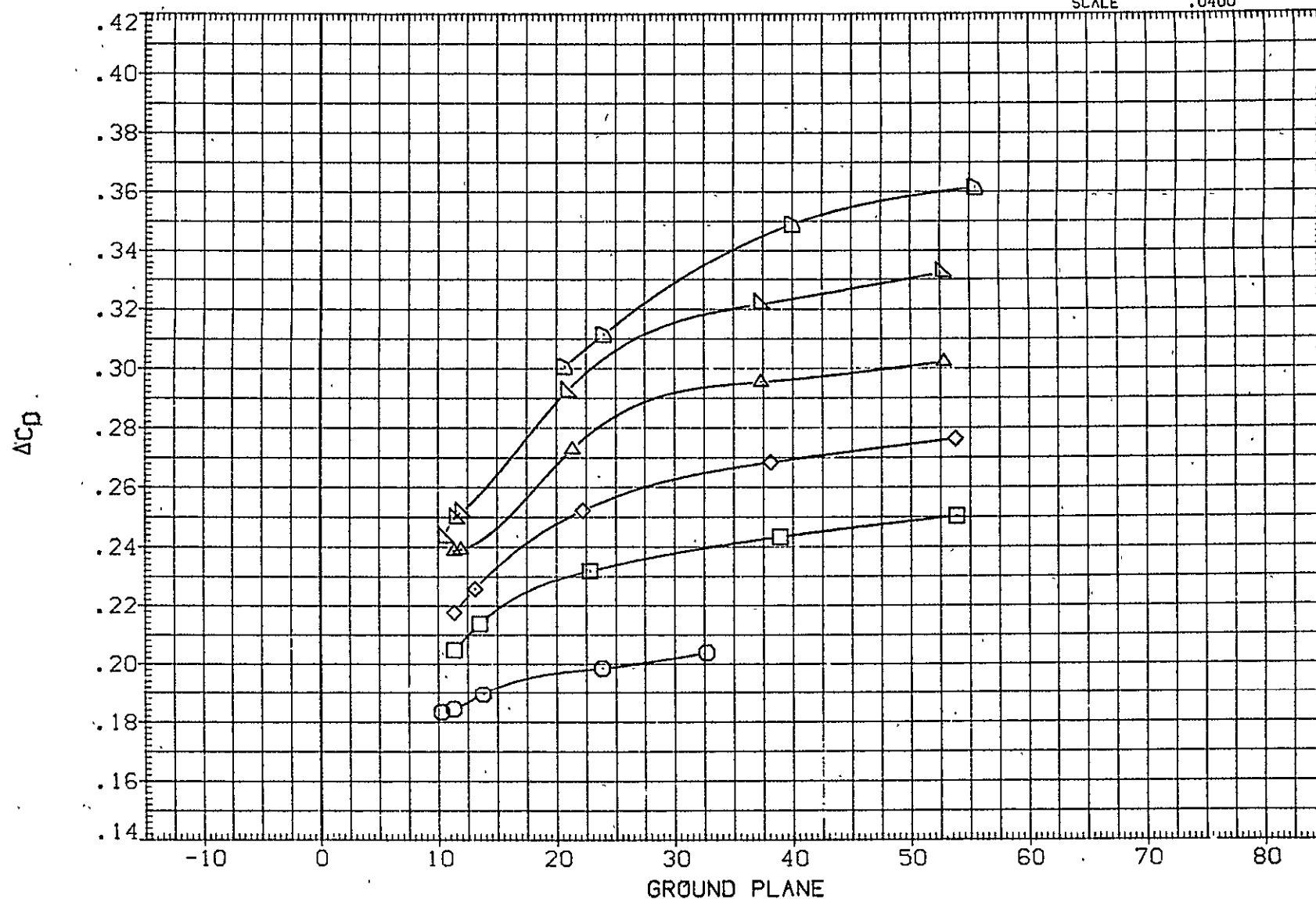


FIG 176 FERRY CON. IN GROUND PROXIMITY, STAB = 0, ELEVTR= 17, IORB=6, TC ON CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), GP SWEEPS
 (A) MACH = .15 PAGE 604

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(UJF199)	○	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	.171	6.000	-11.700	-5.000	SREF	5500.0000	SQ.FT.
(UJF200)	□	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	4.098	6.000	-11.700	-5.000	LREF	327.8000	IN.
(UJF201)	◇	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	6.137	6.000	-11.700	-5.000	BREF	2348.0000	IN.
(UJF202)	△	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	8.191	6.000	-11.700	-5.000	XMRP	1339.9100	IN.XC
(UJF203)	▽	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	10.129	6.000	-11.700	-5.000	YMRP	.0000	IN.YC
(UJF204)	◻	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	12.192	6.000	-11.700	-5.000	ZMPP	190.7500	IN.ZC
							SCALE	.0400	



FIG 176 FERRY CON. IN GROUND PROXIMITY. STAB = 0. ELEVTR= 17. IORB=6. TC ON CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), GP SWEEPS
 (A)MACH = .15
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DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(UJF169)	○	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	.183	6.000	-11.700	-5.000	SREF	5500.0000	50.FT.
(UJF170)	□	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	4.177	6.000	-11.700	-5.000	LREF	327.8000	IN.
(UJF171)	◇	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	6.229	6.000	-11.700	-5.000	BREF	2348.0000	IN.
(UJF172)	△	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	8.146	6.000	-11.700	-5.000	XMRP	1339.9100	IN.XC
(UJF173)	▽	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	10.106	6.000	-11.700	-5.000	YMRP	.0000	IN.YC
(UJF174)	◊	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	12.126	6.000	-11.700	-5.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

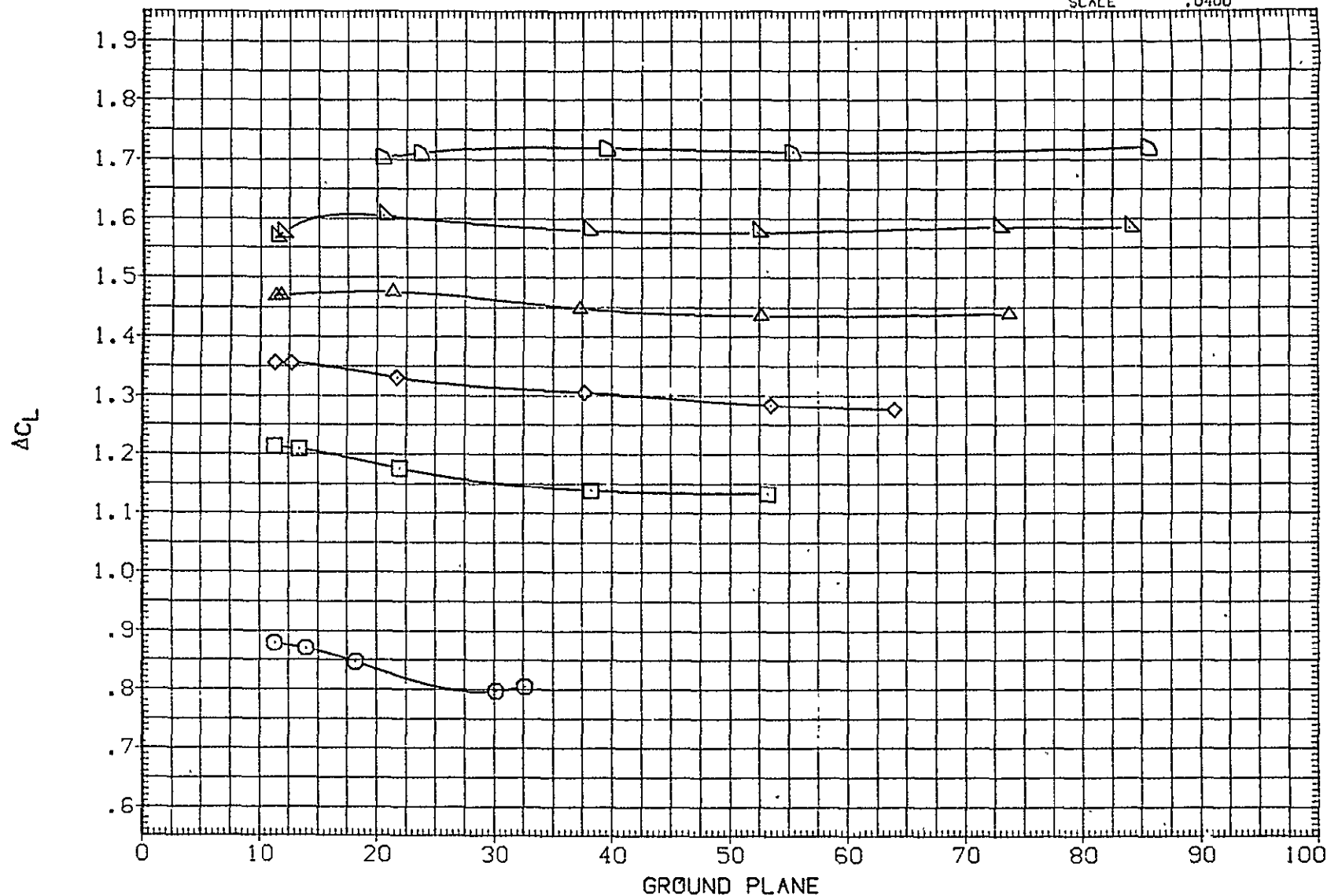


FIG 177 FERRY CON. IN GROUND PROXIMITY, STAB = 0, ELEVTR=-23, IORB=6, TC ON CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), GP SWEEPS
 (CA)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA W	I ORB	BDF LAP	ELEVON	REFERENCE INFORMATION		
(UJF169)	○	(CA-8) K3.1TS7H15.6.1F30TS40165.3.5	.183	6.000	-11.700	-5.000	SREF	5500.0000	SQ.FT.
(UJF170)	□	(CA-8) K3.1TS7H15.6.1F30TS40165.3.5	4.177	6.000	-11.700	-5.000	LREF	327.8000	IN.
(UJF171)	◇	(CA-8) K3.1TS7H15.6.1F30TS40165.3.5	6.229	6.000	-11.700	-5.000	BREF	2348.0000	IN.
(UJF172)	△	(CA-8) K3.1TS7H15.6.1F30TS40165.3.5	8.146	6.000	-11.700	-5.000	XMRP	1339.9100	IN.XC
(UJF173)	▽	(CA-8) K3.1TS7H15.6.1F30TS40165.3.5	10.106	6.000	-11.700	-5.000	YMRP	.0000	IN.YC
(UJF174)	▷	(CA-8) K3.1TS7H15.6.1F30TS40165.3.5	12.126	6.000	-11.700	-5.000	ZMRP	.190.7500	IN.ZC
							SCALE	.0400	

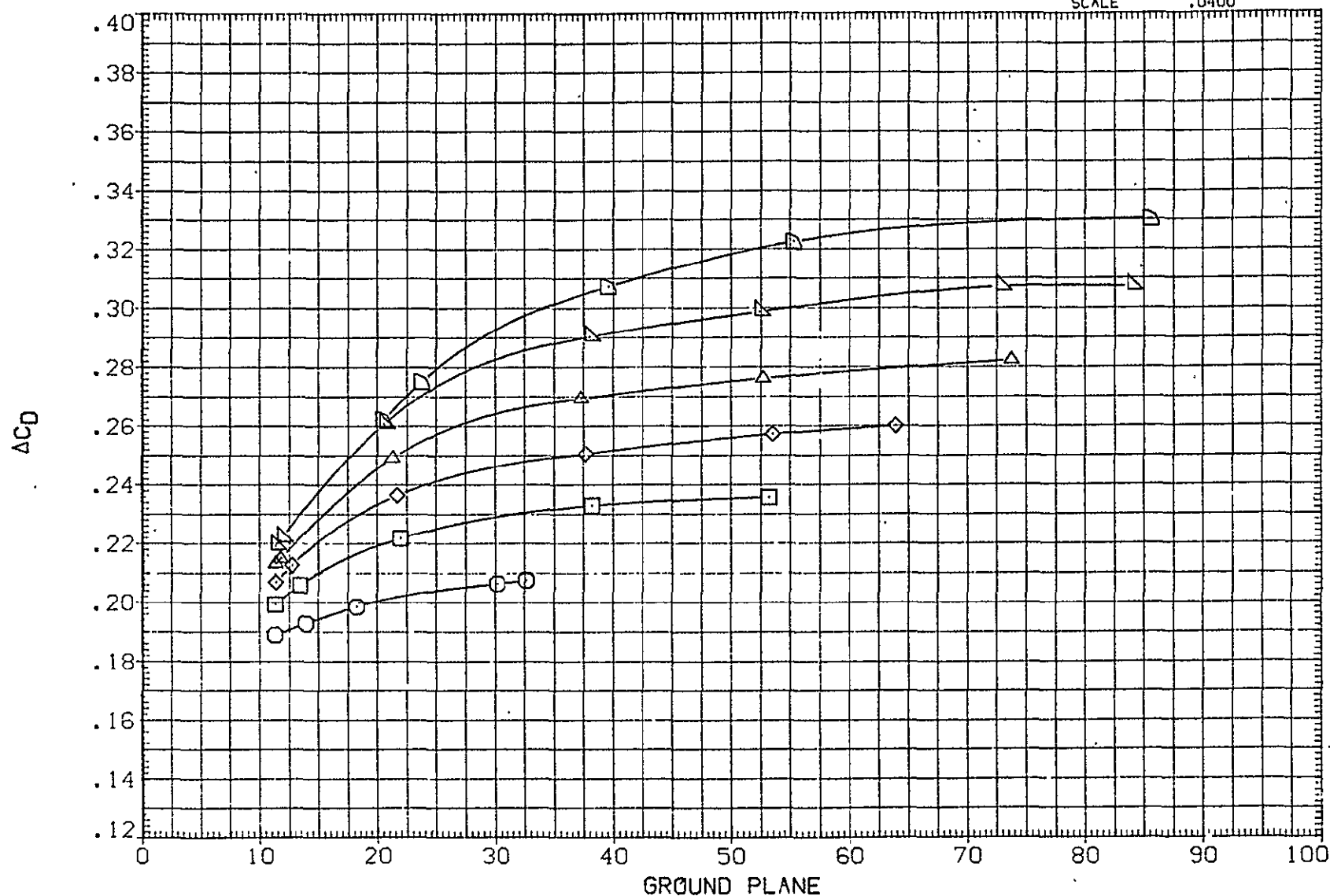


FIG 177 FERRY CON. IN GROUND PROXIMITY, STAB = 0. ELEVTR=-23. IORB=6. TC ON CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), GP SWEEPS
 (A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(UJF169)	○	(CA-8) K3.1TS7H15.6.1F30TS40165.3.5	.183	6.000	-11.700	-5.000	SREF	5500.0000	50.FT.
(UJF170)	□	(CA-8) K3.1TS7H15.6.1F30TS40165.3.5	4.177	6.000	-11.700	-5.000	LREF	327.8000	IN.
(UJF171)	◇	(CA-8) K3.1TS7H15.6.1F30TS40165.3.5	6.229	6.000	-11.700	-5.000	BREF	2348.0000	IN.
(UJF172)	△	(CA-8) K3.1TS7H15.6.1F30TS40165.3.5	8.146	6.000	-11.700	-5.000	XMRF	1339.9100	IN.XC
(UJF173)	▽	(CA-8) K3.1TS7H15.6.1F30TS40165.3.5	10.106	6.000	-11.700	-5.000	YMRP	.0000	IN.YC
(UJF174)	▷	(CA-8) K3.1TS7H15.6.1F30TS40165.3.5	12.126	6.000	-11.700	-5.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

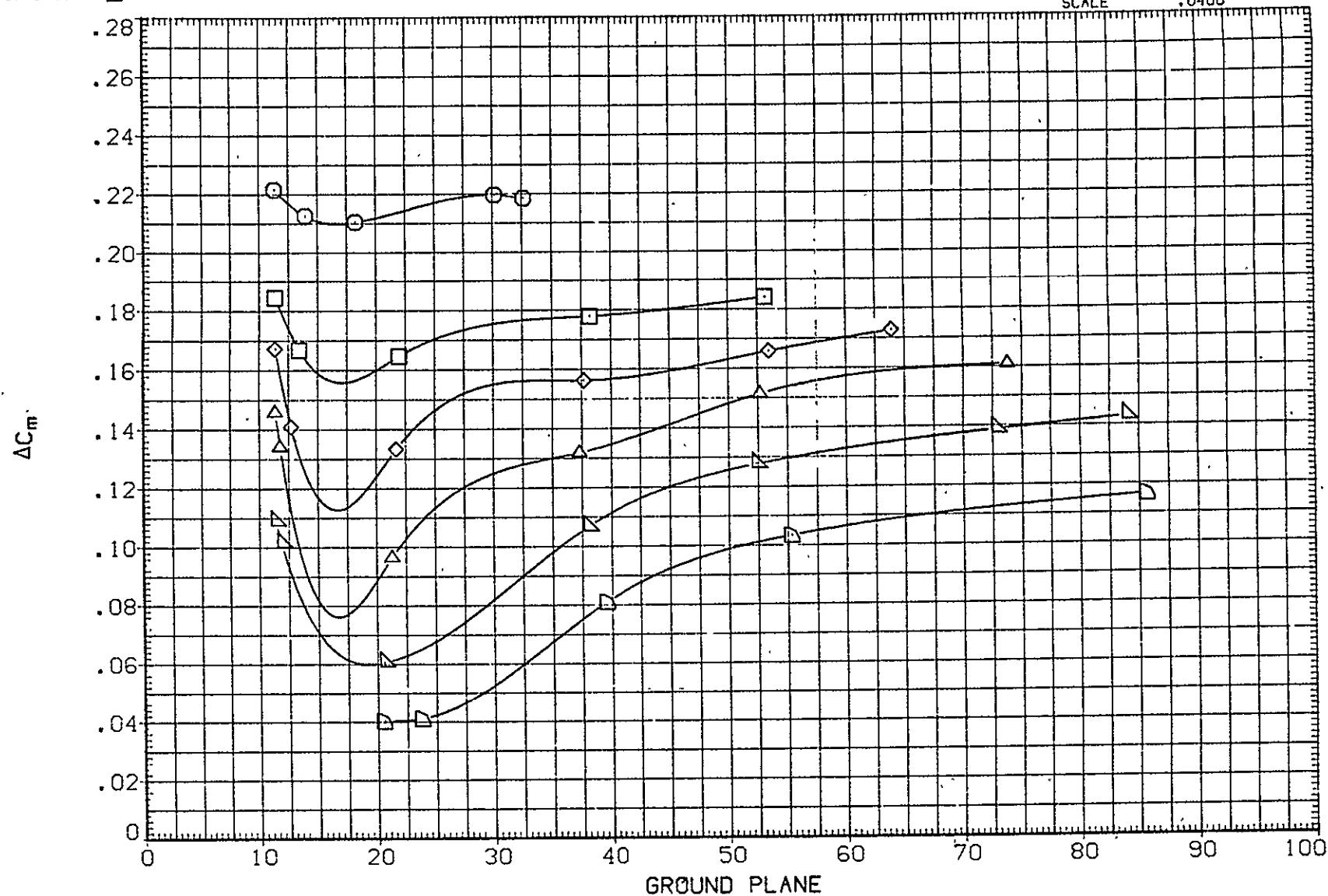


FIG 177 FERRY CON. IN GROUND PROXIMITY, STAB = 0, ELEVTR=-23, IORB=6, TC ON CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), GP SWEEPS
 (A)MACH = .15
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DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(UJF404)	○	(CA-8) K2.1TS7 F10TS40165.3.5	.144	3.000	-11.700	.000	SREF	5500.0000	SQ.FT.
(UJF405)	□	(CA-8) K2.1TS7 F10TS40165.3.5	4.201	3.000	-11.700	.000	LREF	327.8000	IN.
(UJF406)	◇	(CA-8) K2.1TS7 F10TS40165.3.5	6.129	3.000	-11.700	.000	BREF	2348.0000	IN.
(UJF407)	△	(CA-8) K2.1TS7 F10TS40165.3.5	8.129	3.000	-11.700	.000	XMRP	1339.9100	IN.XC
(UJF408)	▽	(CA-8) K2.1TS7 F10TS40165.3.5	10.123	3.000	-11.700	.000	YMRP	.0000	IN.YC
(UJF409)	◻	(CA-8) K2.1TS7 F10TS40165.3.5	12.202	3.000	-11.700	.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

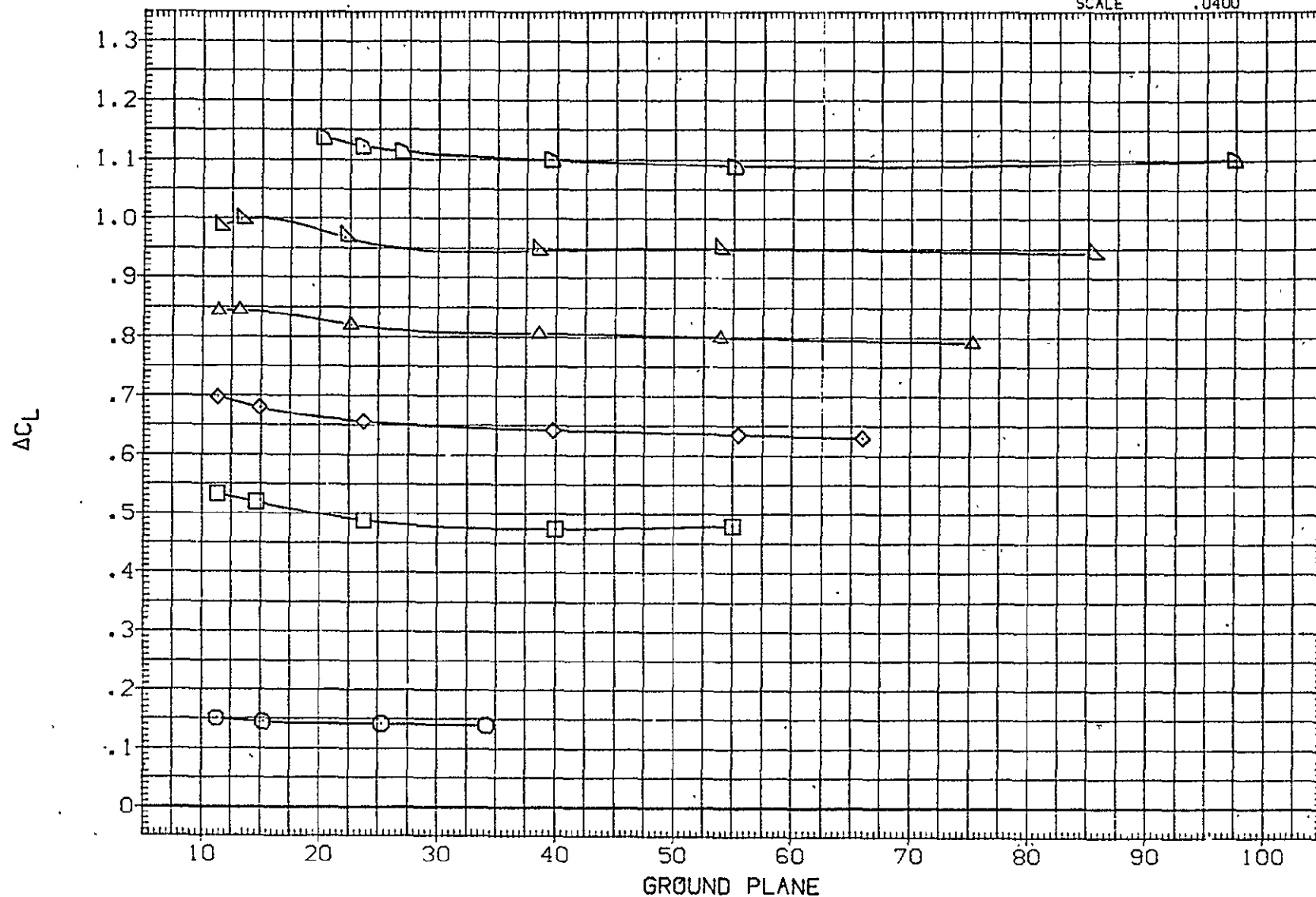


FIG 178 FERRY CON. IN GROUND PROXIMITY, HORIZ OFF FLAPS 10 IORB=3, TC ON
 CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE). GP SWEEPS
 (A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(UJF404)	□	(CA-8) K2.1TS7 F10TS40165.3.5	.144	3.000	-11.700	.000	SREF	5500.0000	SQ.FT.
(UJF405)	□	(CA-8) K2.1TS7 F10TS40165.3.5	4.201	3.000	-11.700	.000	LREF	327.8000	IN.
(UJF406)	◇	(CA-8) K2.1TS7 F10TS40165.3.5	6.129	3.000	-11.700	.000	BREF	2348.0000	IN.
(UJF407)	△	(CA-8) K2.1TS7 F10TS40165.3.5	8.129	3.000	-11.700	.000	XMRP	1339.9100	IN.XC
(UJF408)	△	(CA-8) K2.1TS7 F10TS40165.3.5	10.123	3.000	-11.700	.000	YMRP	.0000	IN.YC
(UJF409)	△	(CA-8) K2.1TS7 F10TS40165.3.5	12.202	3.000	-11.700	.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

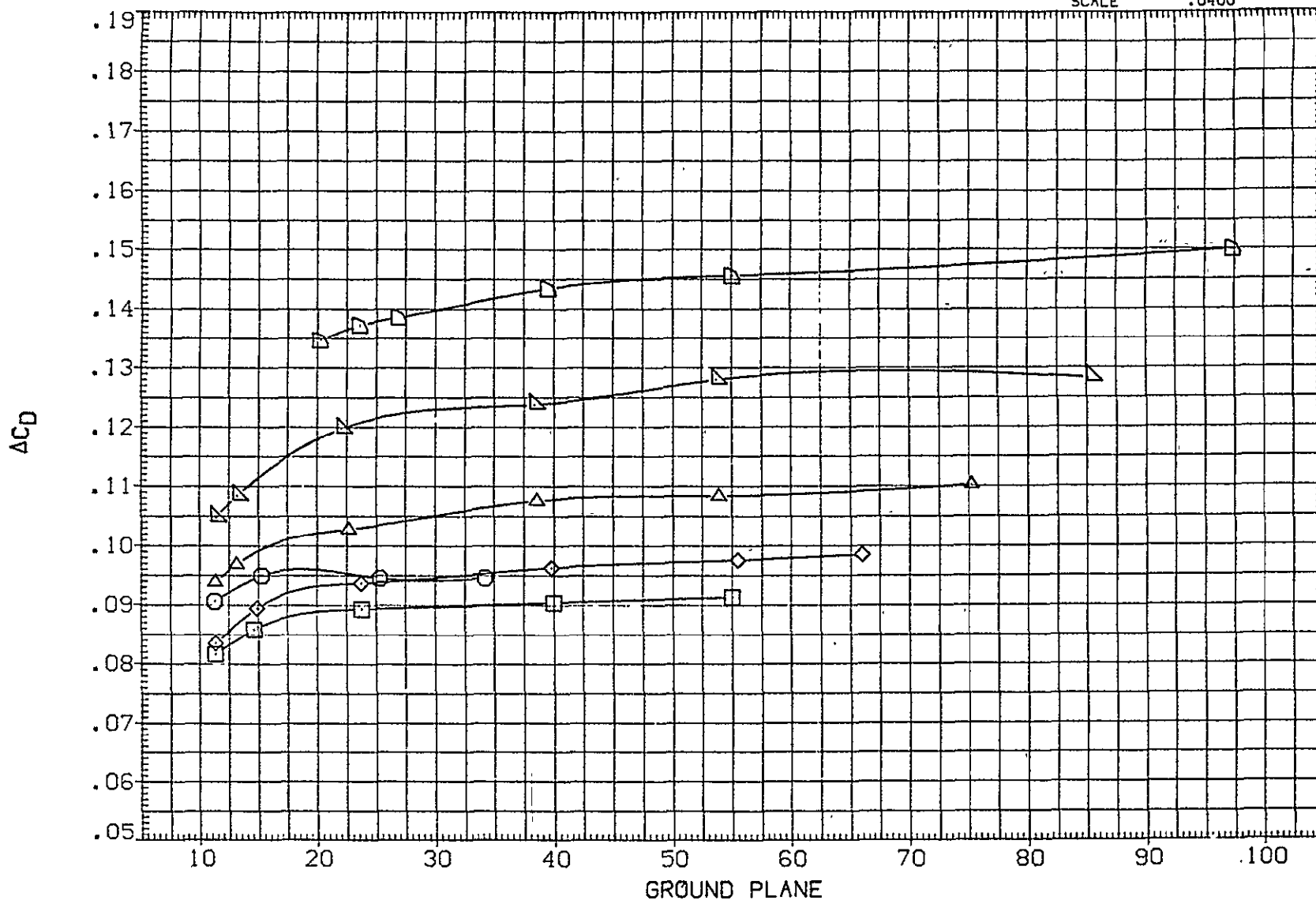


FIG 178 FERRY CON. IN GROUND PROXIMITY, HORIZ OFF FLAPS 10 IORB=3, TC ON
 CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), GP SWEEPS
 (A) MACH = .15 PAGE 610

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(UJF404)	○	(CA-8) K2.1TS7 F10TS401G5.3.5	.144	3.000	-11.700	.000	SREF	5500.0000	SQ.FT.
(UJF405)	□	(CA-8) K2.1TS7 F10TS401G5.3.5	4.201	3.000	-11.700	.000	LREF	327.8000	IN.
(UJF406)	◇	(CA-8) K2.1TS7 F10TS401G5.3.5	6.129	3.000	-11.700	.000	BREF	2348.0000	IN.
(UJF407)	△	(CA-8) K2.1TS7 F10TS401G5.3.5	8.129	3.000	-11.700	.000	XMRP	1339.9100	IN.XC
(UJF408)	▽	(CA-8) K2.1TS7 F10TS401G5.3.5	10.123	3.000	-11.700	.000	YMRP	.0000	IN.YC
(UJF409)	◻	(CA-8) K2.1TS7 F10TS401G5.3.5	12.202	3.000	-11.700	.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

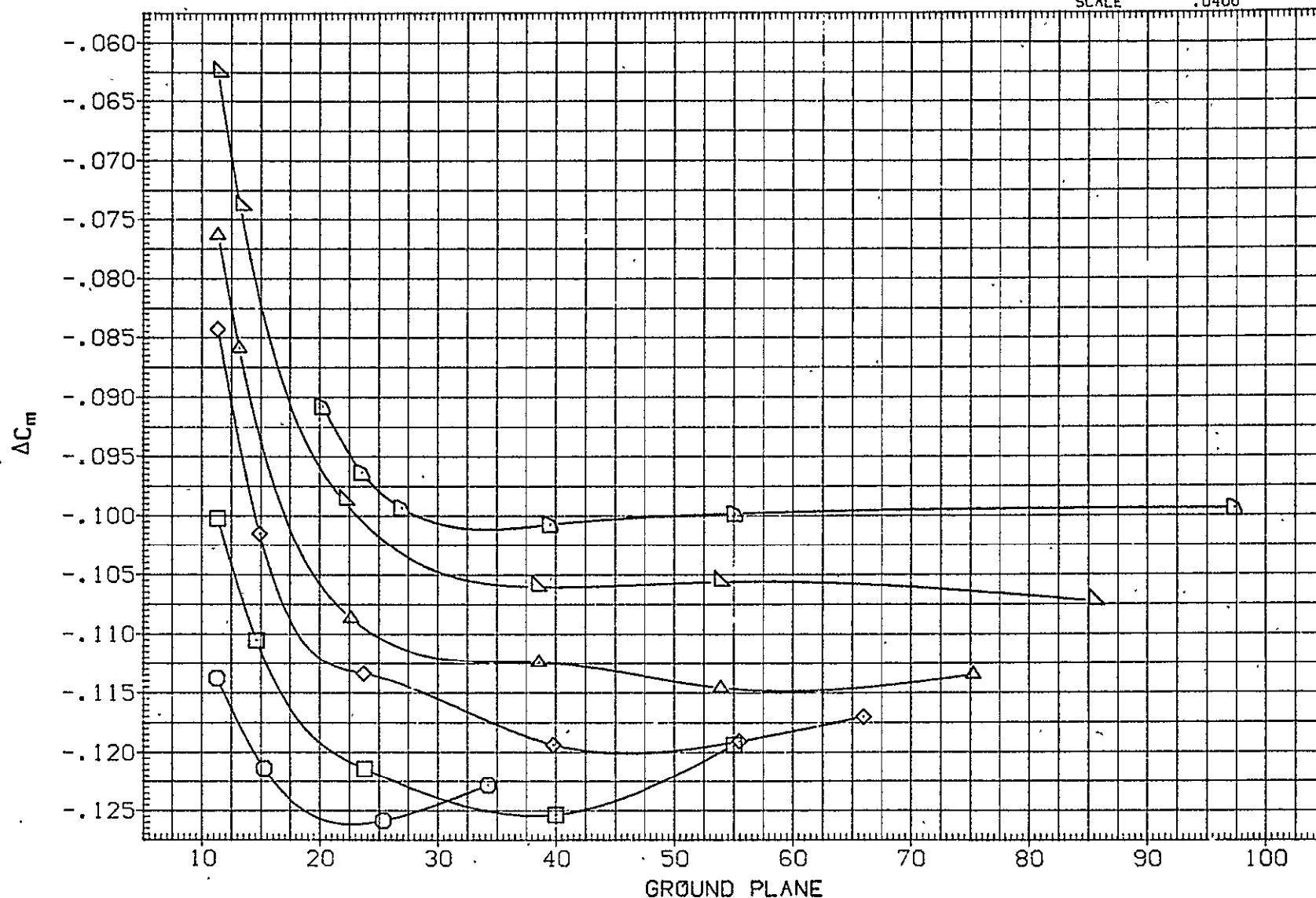


FIG 178 FERRY CON. IN GROUND PROXIMITY, HORIZ OFF FLAPS 10 IORB=3, TC ON
 CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), GP SWEEPS
 (A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	IORB	BDLAP	ELEVON	REFERENCE INFORMATION		
(UJF386)	○	(CA-8) K2.1TS7H15.6.1F10TS40IG5.3.5	.144	3.000	-11.700	.000	SREF	5500.0000	SQ.FT.
(UJF387)	□	(CA-8) K2.1TS7H15.6.1F10TS40IG5.3.5	4.121	3.000	-11.700	.000	LREF	327.8000	IN.
(UJF388)	◇	(CA-8) K2.1TS7H15.6.1F10TS40IG5.3.5	6.127	3.000	-11.700	.000	BREF	2348.0000	IN.
(UJF389)	△	(CA-8) K2.1TS7H15.6.1F10TS40IG5.3.5	8.161	3.000	-11.700	.000	XMRP	1339.9100	IN.XC
(UJF390)	▽	(CA-8) K2.1TS7H15.6.1F10TS40IG5.3.5	10.166	3.000	-11.700	.000	YMRP	.0000	IN.YC
(UJF391)	▽	(CA-8) K2.1TS7H15.6.1F10TS40IG5.3.5	12.170	3.000	-11.700	.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

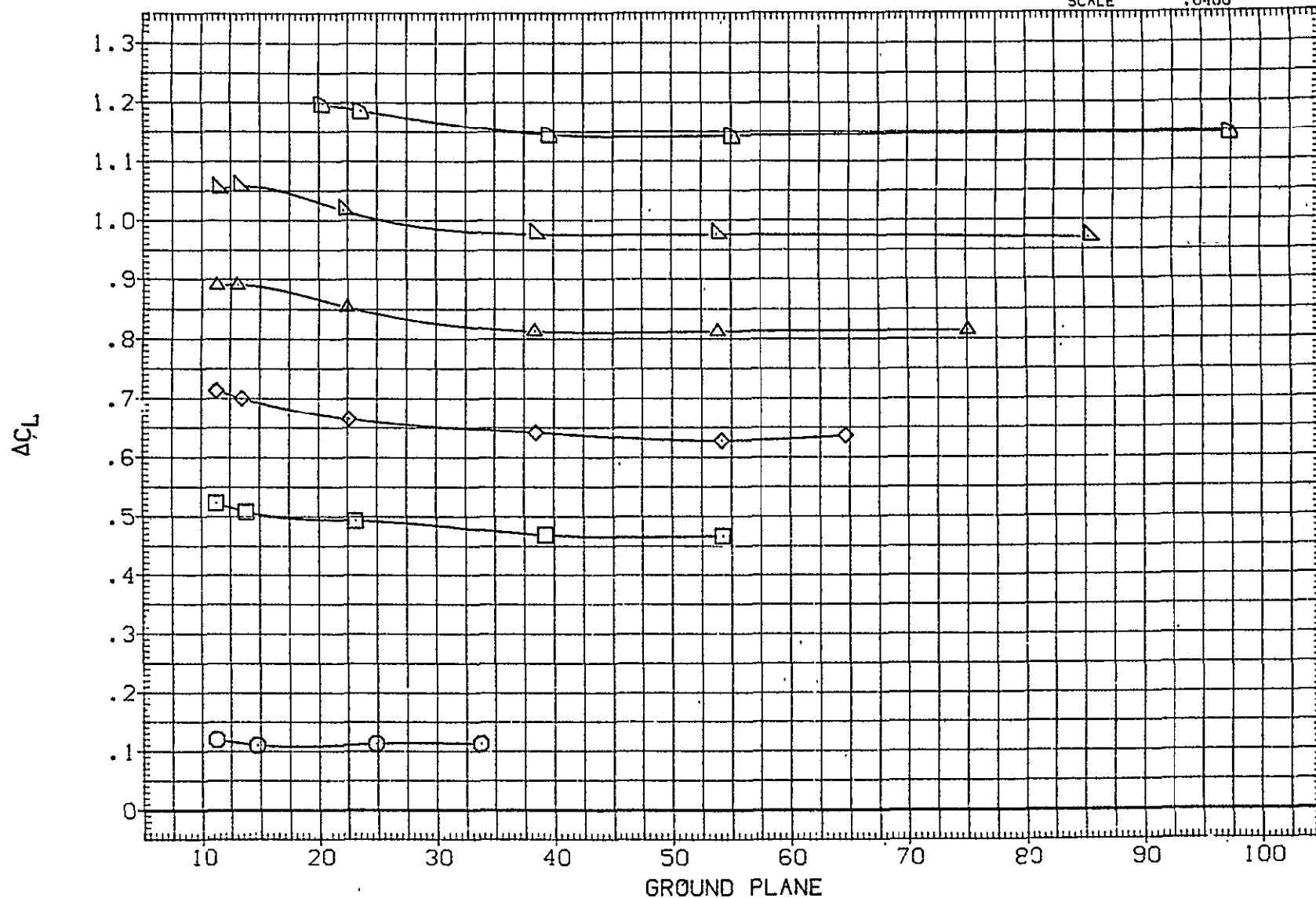


FIG 179 FERRY CON. IN GROUND PROXIMITY, STAB = 2 FLAPS 10 IORB=3, TC ON
 CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), GP SWEEPS
 (A)MACH = .15 PAGE 612

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(UJF386)	○	{CA-8) K2.1TS7H15.6.1F10TS40IG5.3.5	.144	3.000	-11.700	.000	SREF	5500.0000	SQ.FT.
(UJF387)	□	{CA-8) K2.1TS7H15.6.1F10TS40IG5.3.5	4.121	3.000	-11.700	.000	LREF	327.8000	IN.
(UJF388)	◇	{CA-8) K2.1TS7H15.6.1F10TS40IG5.3.5	8.127	3.000	-11.700	.000	BREF	2348.0000	IN.
(UJF389)	△	{CA-8) K2.1TS7H15.6.1F10TS40IG5.3.5	8.161	3.000	-11.700	.000	XMRP	1339.9100	IN.XC
(UJF390)	▽	{CA-8) K2.1TS7H15.6.1F10TS40IG5.3.5	10.166	3.000	-11.700	.000	YMRP	.0000	IN.YC
(UJF391)	◻	{CA-8) K2.1TS7H15.6.1F10TS40IG5.3.5	12.170	3.000	-11.700	.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

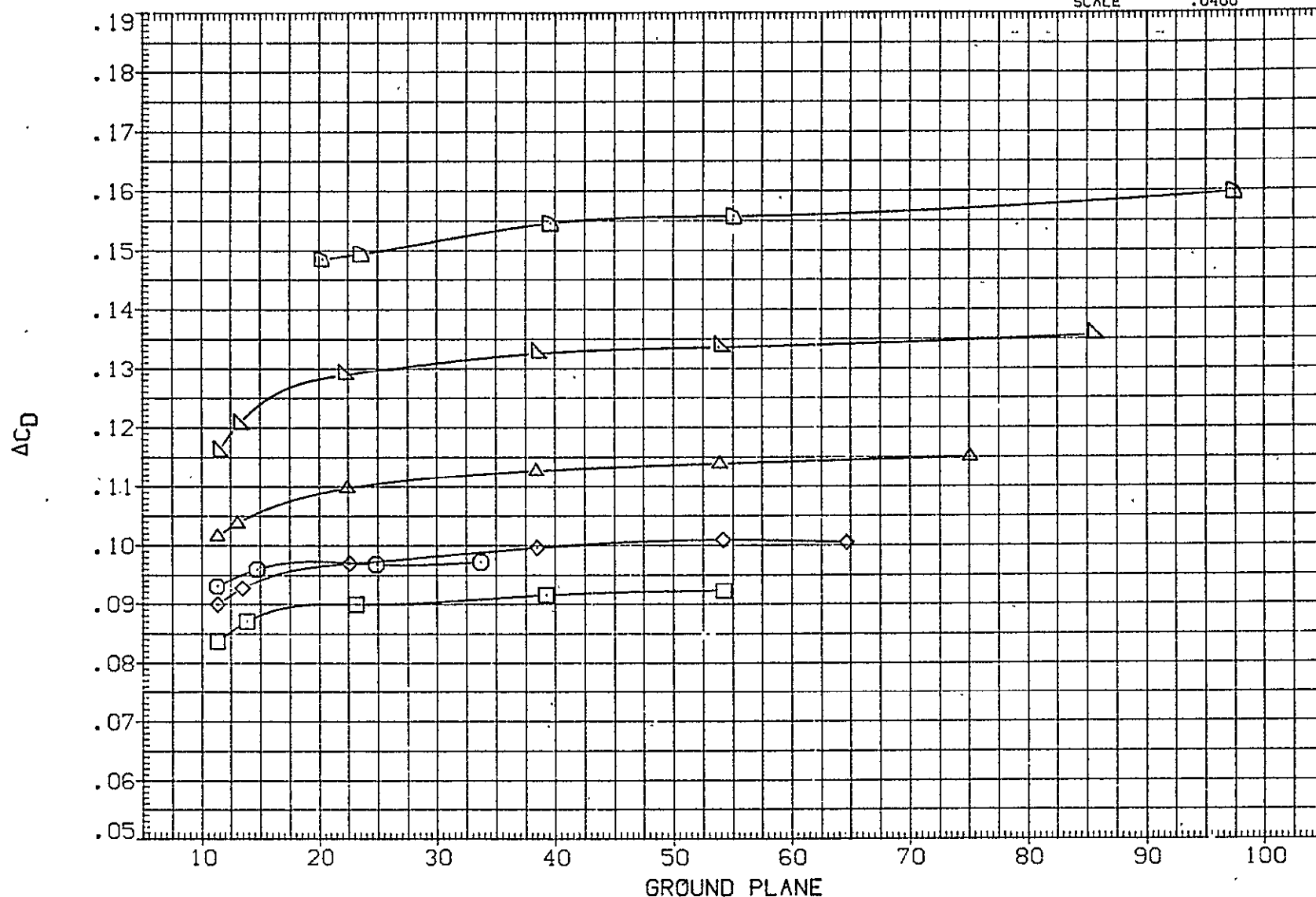


FIG 179 FERRY CON. IN GROUND PROXIMITY, STAB = 2 FLAPS 10 IORB=3. TC ON CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE). GP SWEEPS
 (A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	IORE	BDPLAP	ELEVON	REFERENCE INFORMATION		
(UJF386)	○	(CA-8) K2.1TS7H15.6.1F10TS401G5.3.5	.144	3.000	-11.700	.000	SREF	5500.0000	SQ.FT.
(UJF387)	□	(CA-8) K2.1TS7H15.6.1F10TS401G5.3.5	4.121	3.000	-11.700	.000	LREF	327.8000	IN.
(UJF388)	◇	(CA-8) K2.1TS7H15.6.1F10TS401G5.3.5	6.127	3.000	-11.700	.000	BREF	2348.0000	IN.
(UJF389)	△	(CA-8) K2.1TS7H15.6.1F10TS401G5.3.5	8.161	3.000	-11.700	.000	XMRP	1339.9100	IN.XC
(UJF390)	▽	(CA-8) K2.1TS7H15.6.1F10TS401G5.3.5	10.166	3.000	-11.700	.000	YMRP	.0000	IN.YC
(UJF391)	◻	(CA-8) K2.1TS7H15.6.1F10TS401G5.3.5	12.170	3.000	-11.700	.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

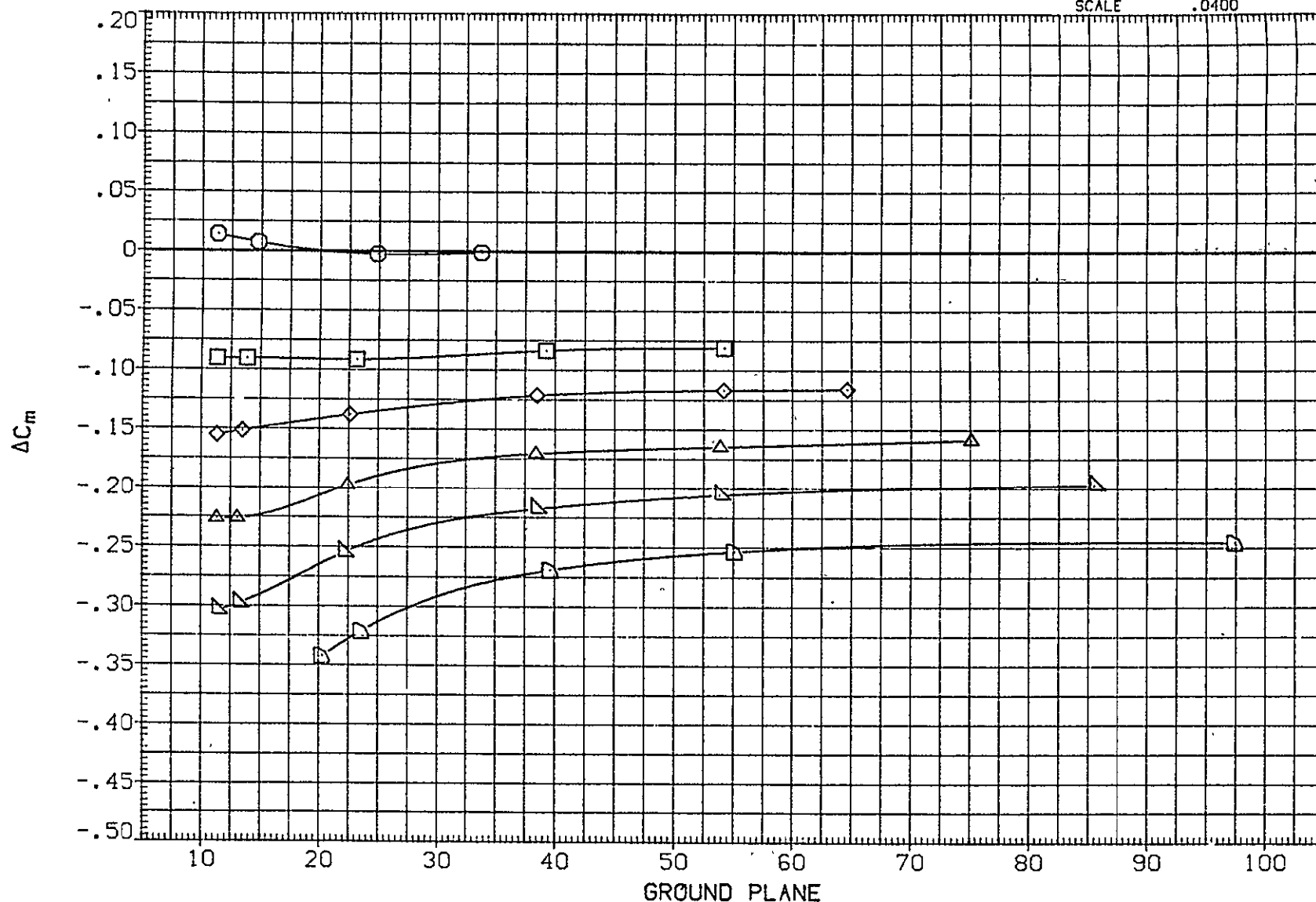


FIG 179 FERRY CON. IN GROUND PROXIMITY, STAB = 2 FLAPS 10 IORB=3, TC ON
 CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), GP SWEEPS
 (A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(UJF392)	○	(CA-8) K2.1TS7H15.6.1F10TS40IG5.3.5	.128	3.000	-11.700	.000	SREF	5500.0000	SQ.FT.
(UJF393)	□	(CA-8) K2.1TS7H15.6.1F10TS40IG5.3.5	4.184	3.000	-11.700	.000	LREF	327.8000	IN.
(UJF394)	◇	(CA-8) K2.1TS7H15.6.1F10TS40IG5.3.5	6.118	3.000	-11.700	.000	BREF	2348.0000	IN.
(UJF395)	△	(CA-8) K2.1TS7H15.6.1F10TS40IG5.3.5	8.182	3.000	-11.700	.000	XMRF	1339.9100	IN.XC
(UJF396)	▽	(CA-8) K2.1TS7H15.6.1F10TS40IG5.3.5	10.125	3.000	-11.700	.000	YMRF	.0000	IN.YC
(UJF397)	◻	(CA-8) K2.1TS7H15.6.1F10TS40IG5.3.5	12.173	3.000	-11.700	.000	ZMRF	190.7500	IN.ZC
							SCALE	.0400	

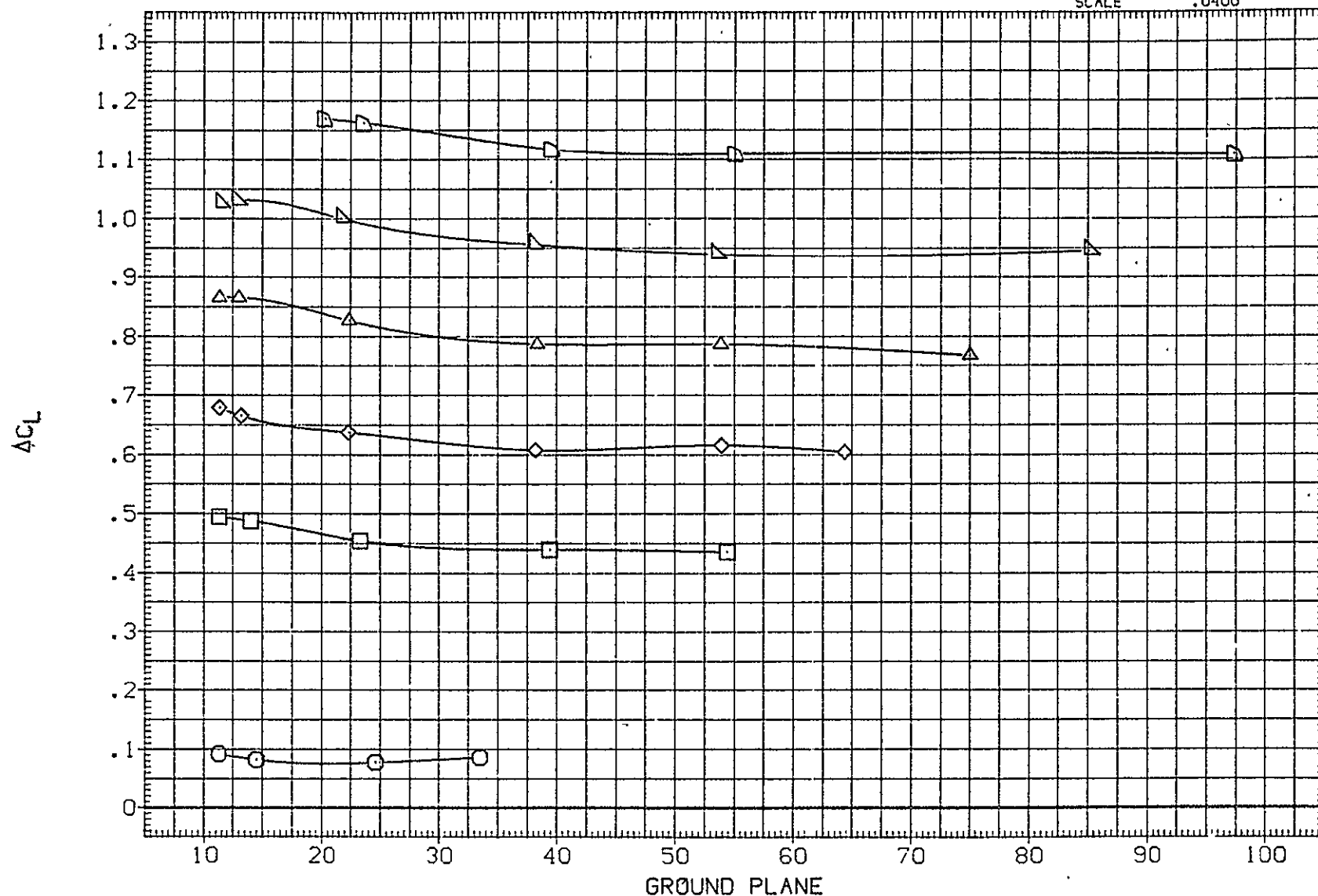


FIG 180 FERRY CON. IN GROUND PROXIMITY, STAB = 0 FLAPS 10 IORB=3, TC ON
 CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE). GP SWEEPS
 (A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(UJF392)	○	(CA-8) K2.1TS7H15.6.1F10TS40IG5.3.5	.128	3.000	-11.700	.000	SREF	5500.0000	50.FT.
(UJF393)	□	(CA-8) K2.1TS7H15.6.1F10TS40IG5.3.5	4.184	3.000	-11.700	.000	LREF	327.8000	IN.
(UJF394)	◇	(CA-8) K2.1TS7H15.6.1F10TS40IG5.3.5	6.118	3.000	-11.700	.000	BREF	2348.0000	IN.
(UJF395)	△	(CA-8) K2.1TS7H15.6.1F10TS40IG5.3.5	8.182	3.000	-11.700	.000	XMRP	1339.9100	IN.XC
(UJF396)	▽	(CA-8) K2.1TS7H15.6.1F10TS40IG5.3.5	10.125	3.000	-11.700	.000	YMRP	.0000	IN.YC
(UJF397)	◻	(CA-8) K2.1TS7H15.6.1F10TS40IG5.3.5	12.173	3.000	-11.700	.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

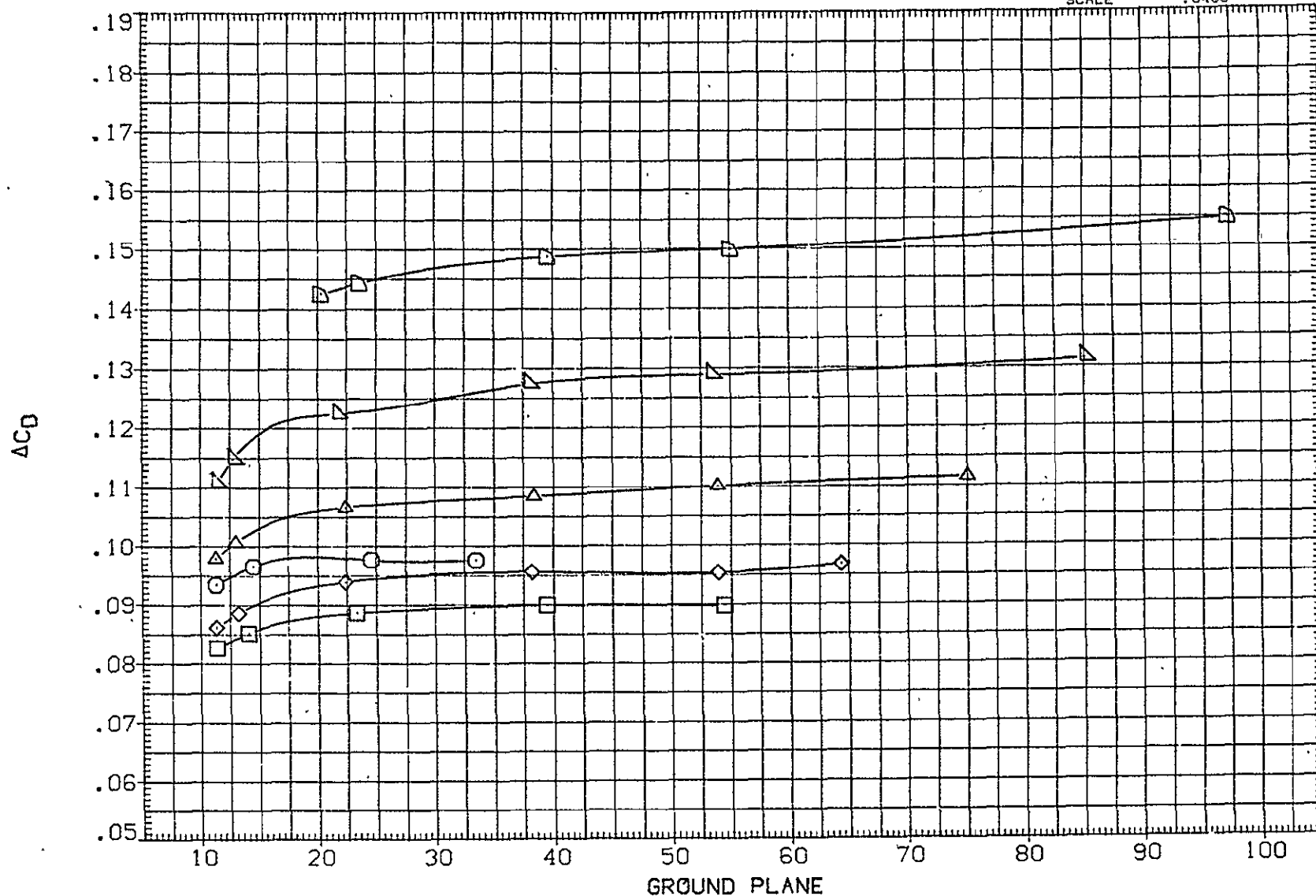


FIG 180 FERRY CON. IN GROUND PROXIMITY, STAB = 0 FLAPS 10 IORB=3. TC ON
 CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), GP SWEEPS
 (A) MACH = .15 PAGE 616

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA W	IGRB	BD FLAP	ELEVON	REFERENCE INFORMATION		
(UJF392)	○	(CA-8) K2.1TS7H15.6.1F10TS401G5.3.5	.128	3.000	-11.700	.000	SREF	5500.0000	50. FT.
(UJF393)	□	(CA-8) K2.1TS7H15.6.1F10TS401G5.3.5	4.184	3.000	-11.700	.000	LREF	327.8000	IN.
(UJF394)	◇	(CA-8) K2.1TS7H15.6.1F10TS401G5.3.5	6.118	3.000	-11.700	.000	BREF	2348.0000	IN.
(UJF395)	△	(CA-8) K2.1TS7H15.6.1F10TS401G5.3.5	8.182	3.000	-11.700	.000	XMRP	1339.9100	IN. XC
(UJF396)	▽	(CA-8) K2.1TS7H15.6.1F10TS401G5.3.5	10.125	3.000	-11.700	.000	YMRP	.0000	IN. YC
(UJF397)	◊	(CA-8) K2.1TS7H15.6.1F10TS401G5.3.5	12.173	3.000	-11.700	.000	ZMRP	190.7500	IN. ZC
							SCALE	.0400	

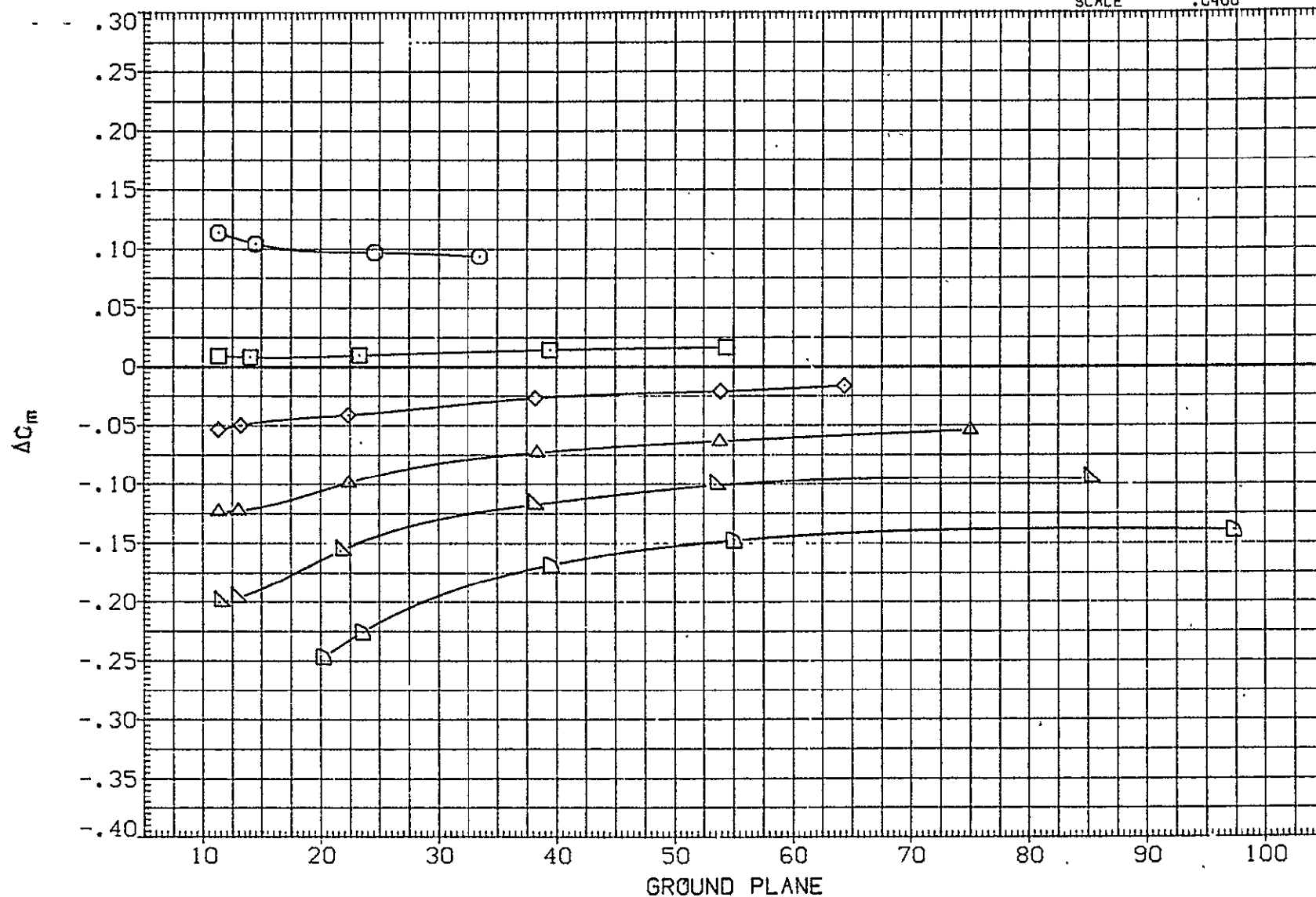


FIG 180 FERRY CON. IN GROUND PROXIMITY. STAB = 0 FLAPS 10 IGRB=3, TC ON
CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(UJF398)	○	(CA-8) K2.1TS7H15.6.1F10TS401G5.3.5	.178	3.000	-11.700	.000	SREF	5500.0000	50.FT.
(UJF399)	□	(CA-8) K2.1TS7H15.6.1F10TS401G5.3.5	4.155	3.000	-11.700	.000	LREF	327.8000	IN.
(UJF400)	◇	(CA-8) K2.1TS7H15.6.1F10TS401G5.3.5	6.152	3.000	-11.700	.000	BREF	2348.0000	IN.
(UJF401)	△	(CA-8) K2.1TS7H15.6.1F10TS401G5.3.5	8.127	3.000	-11.700	.000	XMPP	1339.9100	IN.XC
(UJF402)	▽	(CA-8) K2.1TS7H15.6.1F10TS401G5.3.5	10.152	3.000	-11.700	.000	YMRP	.0000	IN.YC
(UJF403)	◻	(CA-8) K2.1TS7H15.6.1F10TS401G5.3.5	12.125	3.000	-11.700	.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

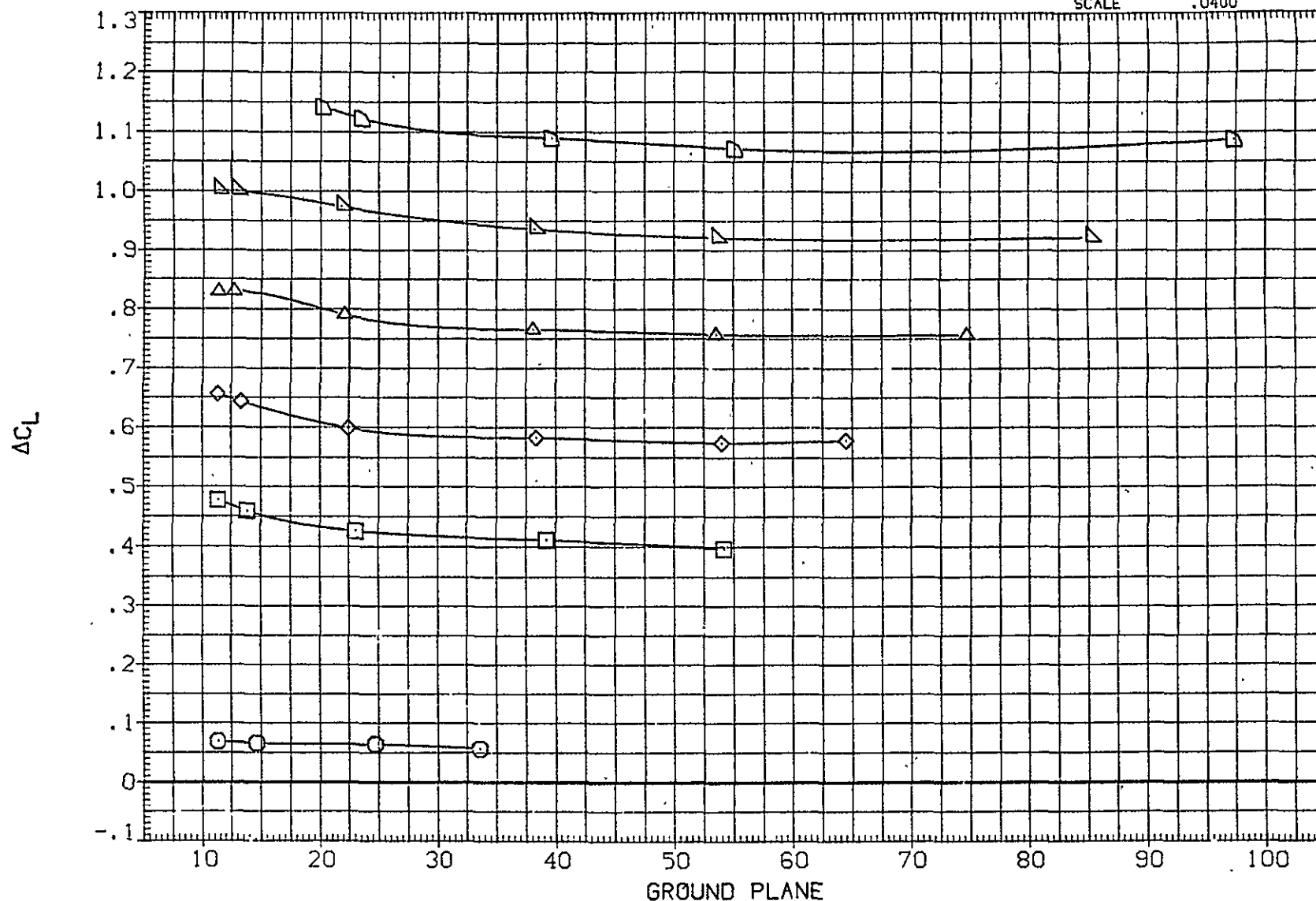


FIG 181 FERRY CON. IN GROUND PROXIMITY, STAB = -2 FLAPS 10 IORB=3. TC ON CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), GP SWEEPS
 (A) MACH = .15 PAGE 618

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DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	IOR3	BDFLAP	ELEVON	REFERENCE INFORMATION		
(UJF398)	○	(CA-8) K2.1TS7H15.6.1F10TS401G5.3.5	.178	3.000	-11.700	.000	SREF	5500.0000	50.FT.
(UJF399)	□	(CA-8) K2.1TS7H15.6.1F10TS401G5.3.5	4.155	3.000	-11.700	.000	LREF	327.8000	IN.
(UJF400)	◇	(CA-8) K2.1TS7H15.6.1F10TS401G5.3.5	6.152	3.000	-11.700	.000	BREF	2348.0000	IN.
(UJF401)	△	(CA-8) K2.1TS7H15.6.1F10TS401G5.3.5	8.127	3.000	-11.700	.000	XMRP	1339.9100	IN.XC
(UJF402)	▽	(CA-8) K2.1TS7H15.6.1F10TS401G5.3.5	10.152	3.000	-11.700	.000	YMRP	.0000	IN.YC
(UJF403)	◻	(CA-8) K2.1TS7H15.6.1F10TS401G5.3.5	12.125	3.000	-11.700	.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

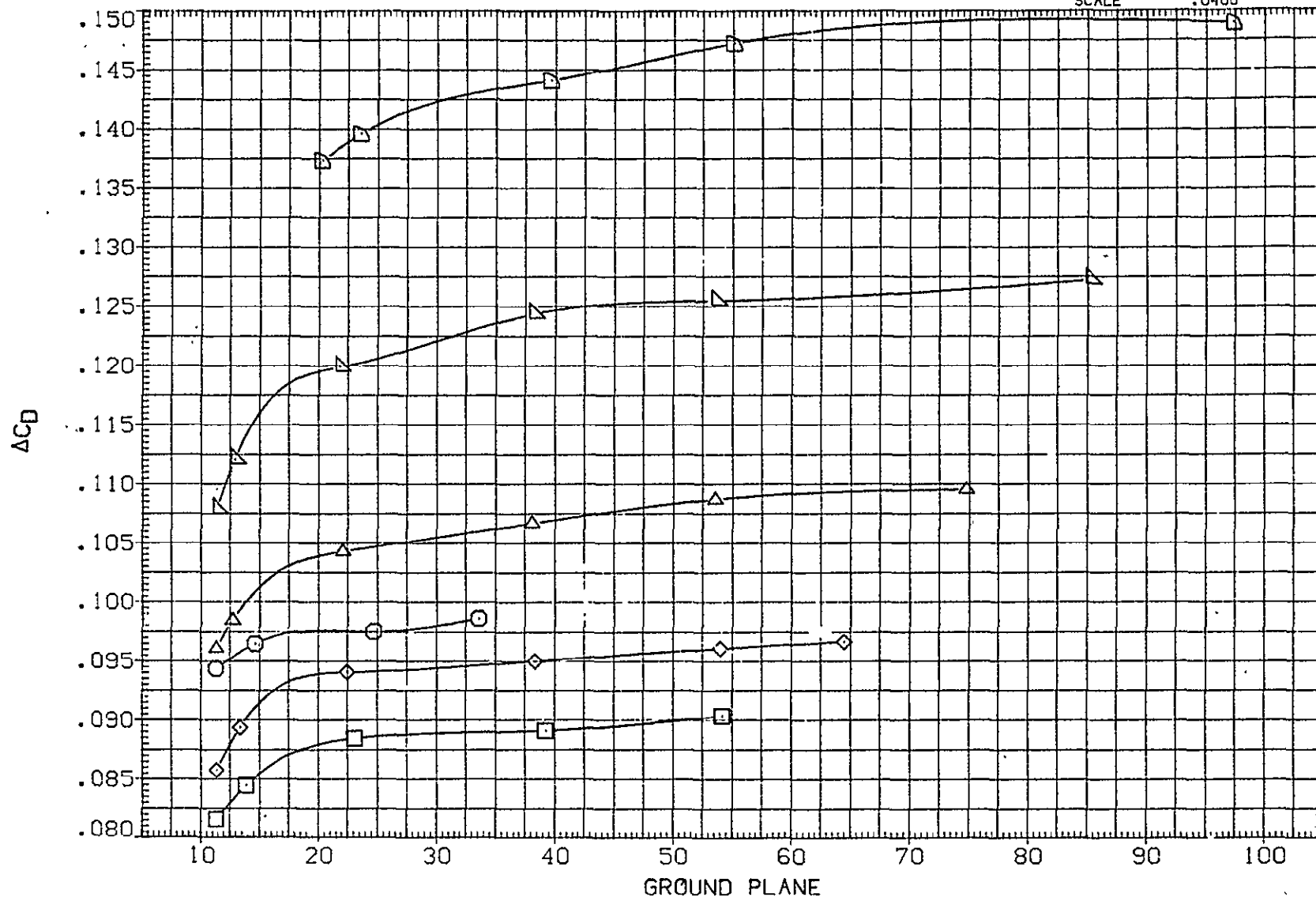


FIG 181 FERRY CON. IN GROUND PROXIMITY, STAB = -2 FLAPS 10 IORB=3, TC ON
 CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), GP SWEEPS
 (A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(UJF398)	○	(CA-8) K2.1TS7H15.6.1F10TS40165.3.5	.178	3.000	-11.700	.000	SREF	5500.0000	SQ.FT.
(UJF399)	□	(CA-8) K2.1TS7H15.6.1F10TS40165.3.5	4.155	3.000	-11.700	.000	LREF	327.8000	IN.
(UJF400)	◇	(CA-8) K2.1TS7H15.6.1F10TS40165.3.5	6.152	3.000	-11.700	.000	BREF	2348.0000	IN.
(UJF401)	△	(CA-8) K2.1TS7H15.6.1F10TS40165.3.5	8.127	3.000	-11.700	.000	XMRP	1339.9100	IN.XC
(UJF402)	▽	(CA-8) K2.1TS7H15.6.1F10TS40165.3.5	10.152	3.000	-11.700	.000	YMRP	.0000	IN.YC
(UJF403)	◁	(CA-8) K2.1TS7H15.6.1F10TS40165.3.5	12.125	3.000	-11.700	.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

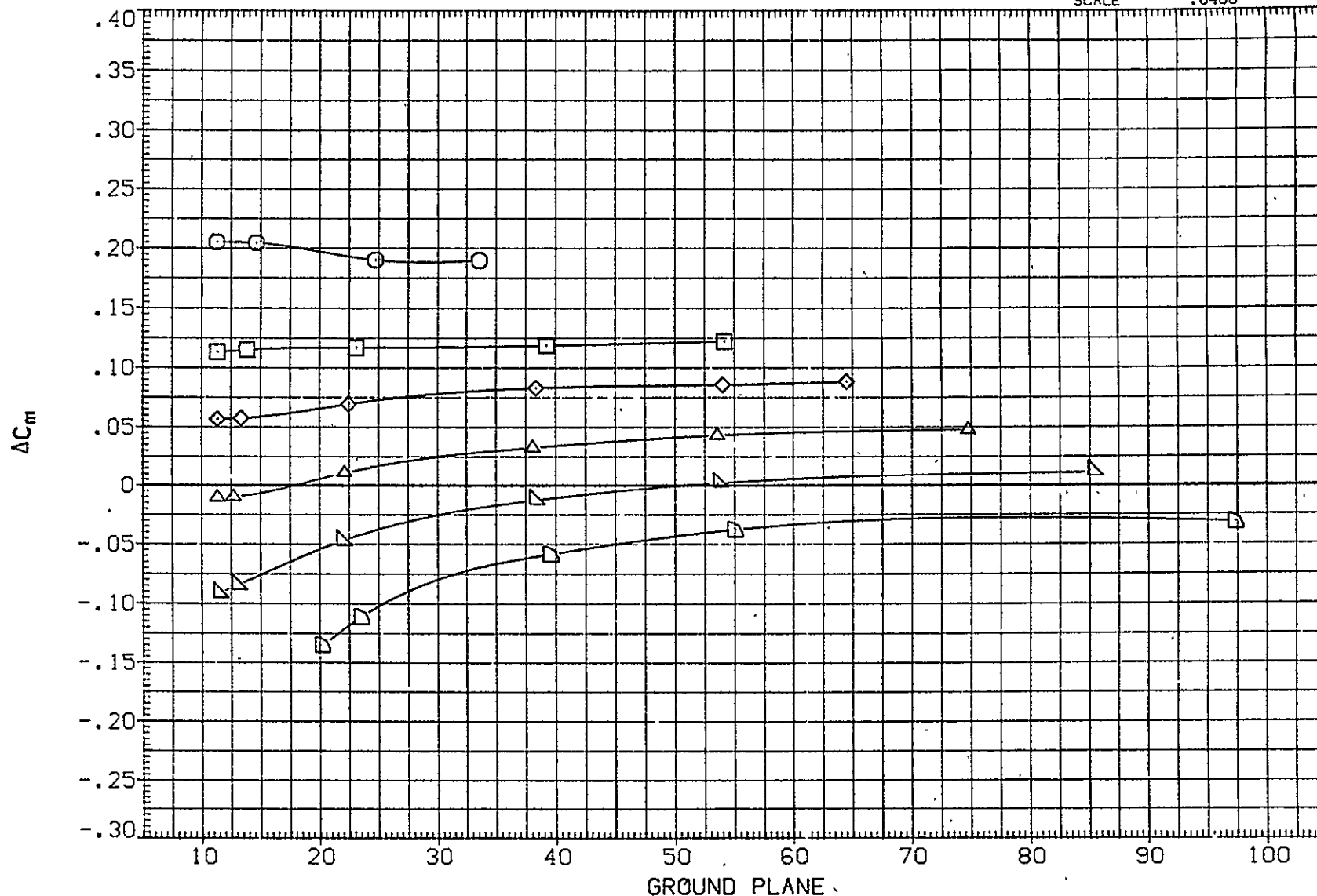


FIG 181 FERRY CON. IN GROUND PROXIMITY, STAB = -2 FLAPS 10 IORB=3, TC ON
 CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), GP SWEEPS.
 (A)MACH = .15 PAGE 620

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA _W	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(UJF410)	○	(CA-8) K2.1TS7H15.6.1F10TS401G5.3.5	.133	3.000	-11.700	.000	SREF	5500.0000	50.FT.
(UJF411)	□	(CA-8) K2.1TS7H15.6.1F10TS401G5.3.5	4.213	3.000	-11.700	.000	LREF	327.8000	IN.
(UJF412)	×	(CA-8) K2.1TS7H15.6.1F10TS401G5.3.5	6.142	3.000	-11.700	.000	BREF	2348.0000	IN.
(UJF413)	△	(CA-8) K2.1TS7H15.6.1F10TS401G5.3.5	8.115	3.000	-11.700	.000	XMRP	1339.9100	IN.XC
(UJF414)	▽	(CA-8) K2.1TS7H15.6.1F10TS401G5.3.5	10.239	3.000	-11.700	.000	YMRP	.0000	IN.YC
(UJF415)	◇	(CA-8) K2.1TS7H15.6.1F10TS401G5.3.5	12.206	3.000	-11.700	.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

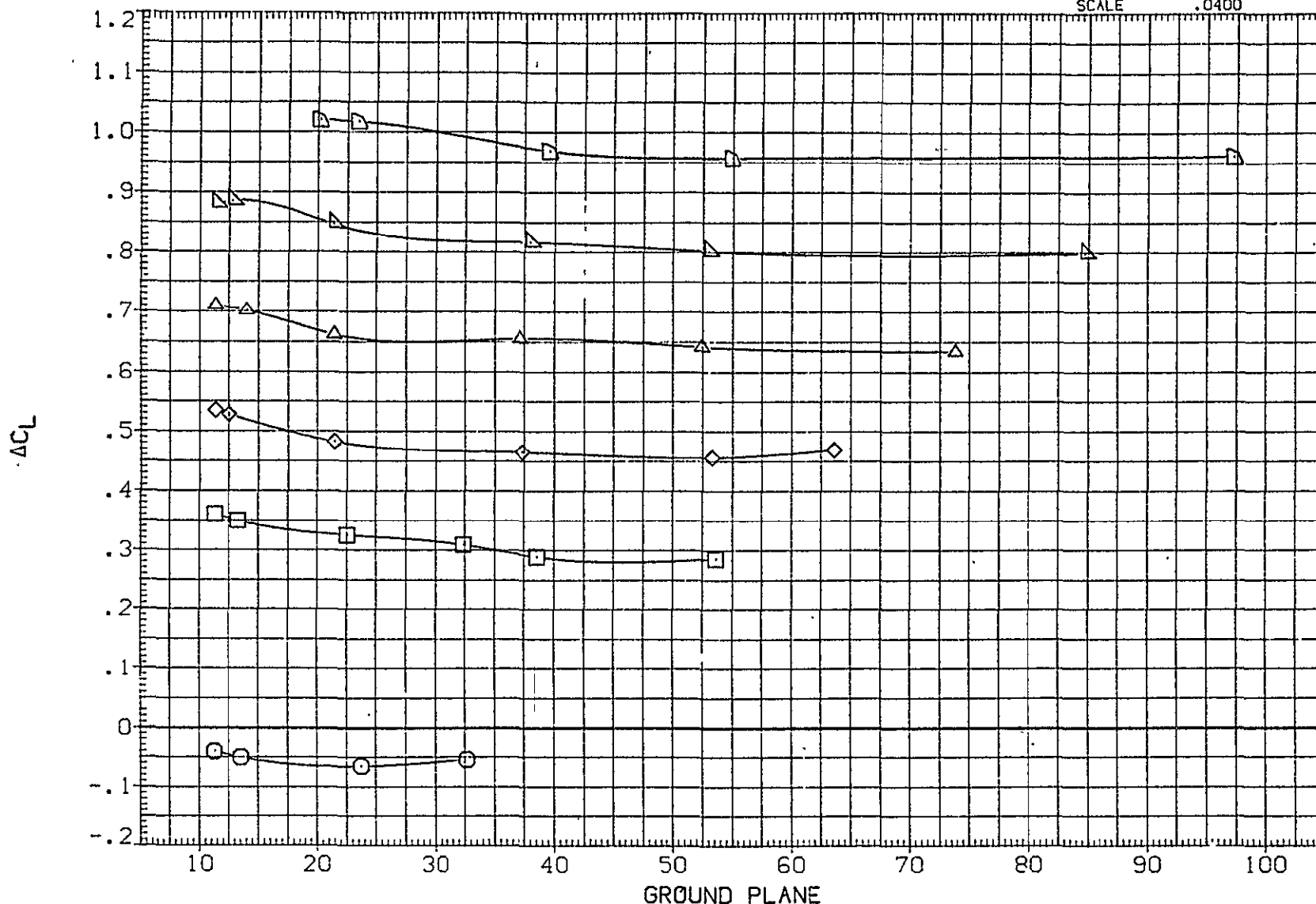


FIG 182 FERRY CON. IN GROUND PROXIMITY, STAB = 0, ELEVTR=-23, IORB=3, TC ON CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), GP SWEEPS
 (A)MACH = .15
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DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(UJF410)	○	(CA-8) K2.1TS7H15.6.1FIOTS40165.3.5	.133	3.300	-11.700	.000	SREF	5500.0000	50.FT.
(UJF411)	□	(CA-8) K2.1TS7H15.6.1FIOTS40165.3.5	4.213	3.300	-11.700	.000	LREF	327.8000	IN.
(UJF412)	◇	(CA-8) K2.1TS7H15.6.1FIOTS40165.3.5	6.142	3.300	-11.700	.000	BREF	2348.0000	IN.
(UJF413)	△	(CA-8) K2.1TS7H15.6.1FIOTS40165.3.5	8.115	3.300	-11.700	.000	XMRP	1339.9100	IN.XC
(UJF414)	▽	(CA-8) K2.1TS7H15.6.1FIOTS40165.3.5	10.239	3.300	-11.700	.000	YMRP	.0000	IN.YC
(UJF415)	◻	(CA-8) K2.1TS7H15.6.1FIOTS40165.3.5	12.206	3.300	-11.700	.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

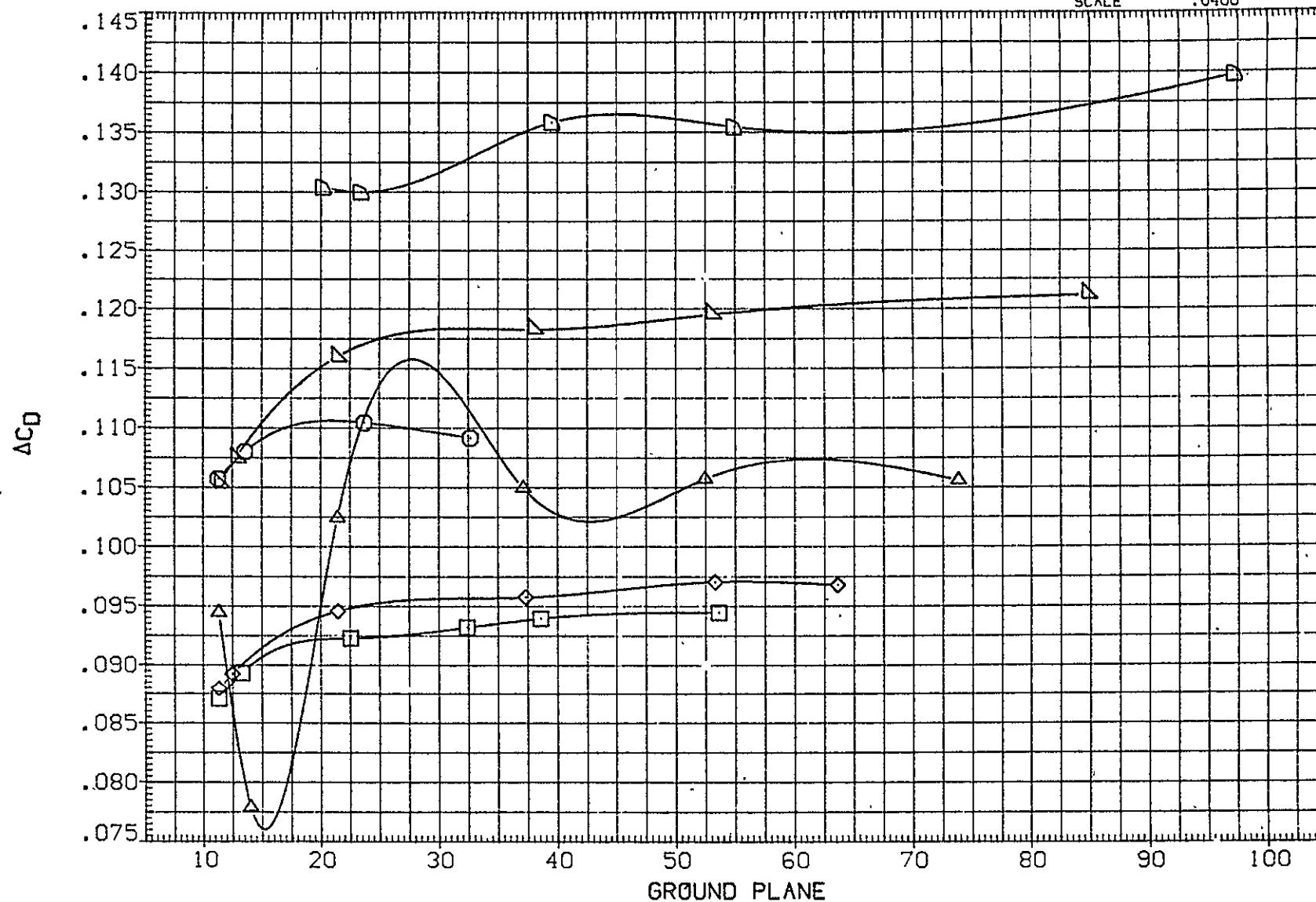


FIG 182 FERRY CON. IN GROUND PROXIMITY, STAB = 0, ELEVTR=-23, IORB=3, TC ON CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(UJF410)	○	(CA-8) K2.1TS7H15.6.1F10TS40165.3.5	.133	3.000	-11.700	.000	SREF	5500.0000	50. FT.
(UJF411)	□	(CA-8) K2.1TS7H15.6.1F10TS40165.3.5	4.213	3.000	-11.700	.000	LREF	327.8000	IN.
(UJF412)	◇	(CA-8) K2.1TS7H15.6.1F10TS40165.3.5	6.142	3.000	-11.700	.000	BREF	2348.0000	IN.
(UJF413)	△	(CA-8) K2.1TS7H15.6.1F10TS40165.3.5	8.115	3.000	-11.700	.000	XMRP	1339.9100	IN. XC
(UJF414)	▽	(CA-8) K2.1TS7H15.6.1F10TS40165.3.5	10.239	3.000	-11.700	.000	YMRP	.0000	IN. YC
(UJF415)	◻	(CA-8) K2.1TS7H15.6.1F10TS40165.3.5	12.206	3.000	-11.700	.000	ZMRP	190.7500	IN. ZC
							SCALE	.0400	

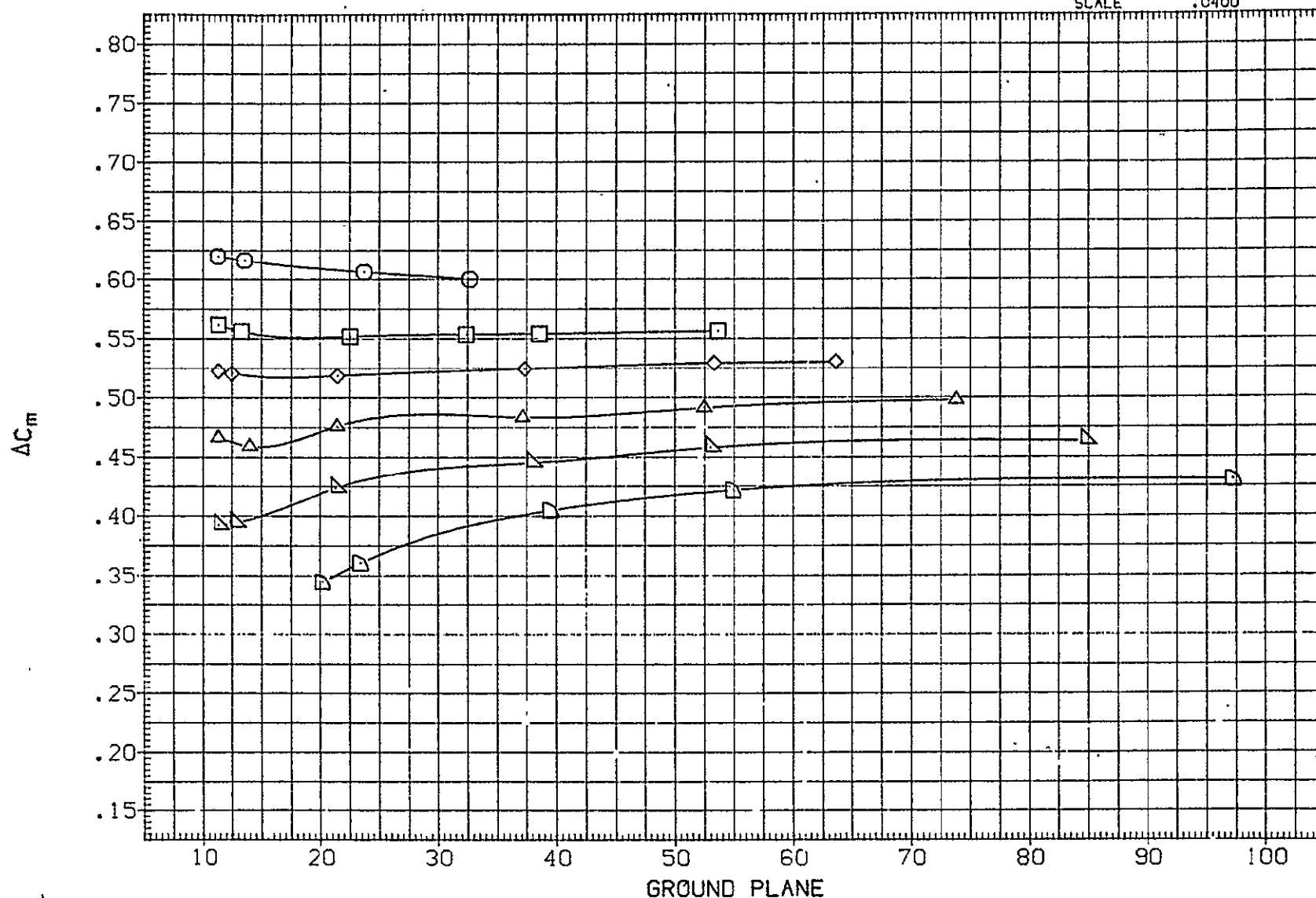


FIG 182 FERRY CON. IN GROUND PROXIMITY, STAB = 0, ELEVTR=-23, IORB=3, TC ON CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), GP SWEEPS

(A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	IORB	BOFLAP	ELEVON	REFERENCE INFORMATION		
(UJF422)	○	(CA-8) K2.1TS7 F20TS401G5.3.5	.183	3.000	-11.700	.000	SREF	5500.0000	SQ.FT.
(UJF423)	□	(CA-8) K2.1TS7 F20TS401G5.3.5	4.173	3.000	-11.700	.000	LREF	327.8000	IN.
(UJF424)	◇	(CA-8) K2.1TS7 F20TS401G5.3.5	6.153	3.000	-11.700	.000	BREF	2348.0000	IN.
(UJF425)	△	(CA-8) K2.1TS7 F20TS401G5.3.5	8.284	3.000	-11.700	.000	XMRP	1339.9100	IN.XC
(UJF426)	▽	(CA-8) K2.1TS7 F20TS401G5.3.5	10.235	3.000	-11.700	.000	YMRP	.0000	IN.YC
(UJF427)	◻	(CA-8) K2.1TS7 F20TS401G5.3.5	12.154	3.000	-11.700	.000	ZMRP	190.7500	IN.ZC
							SCALE	.0420	

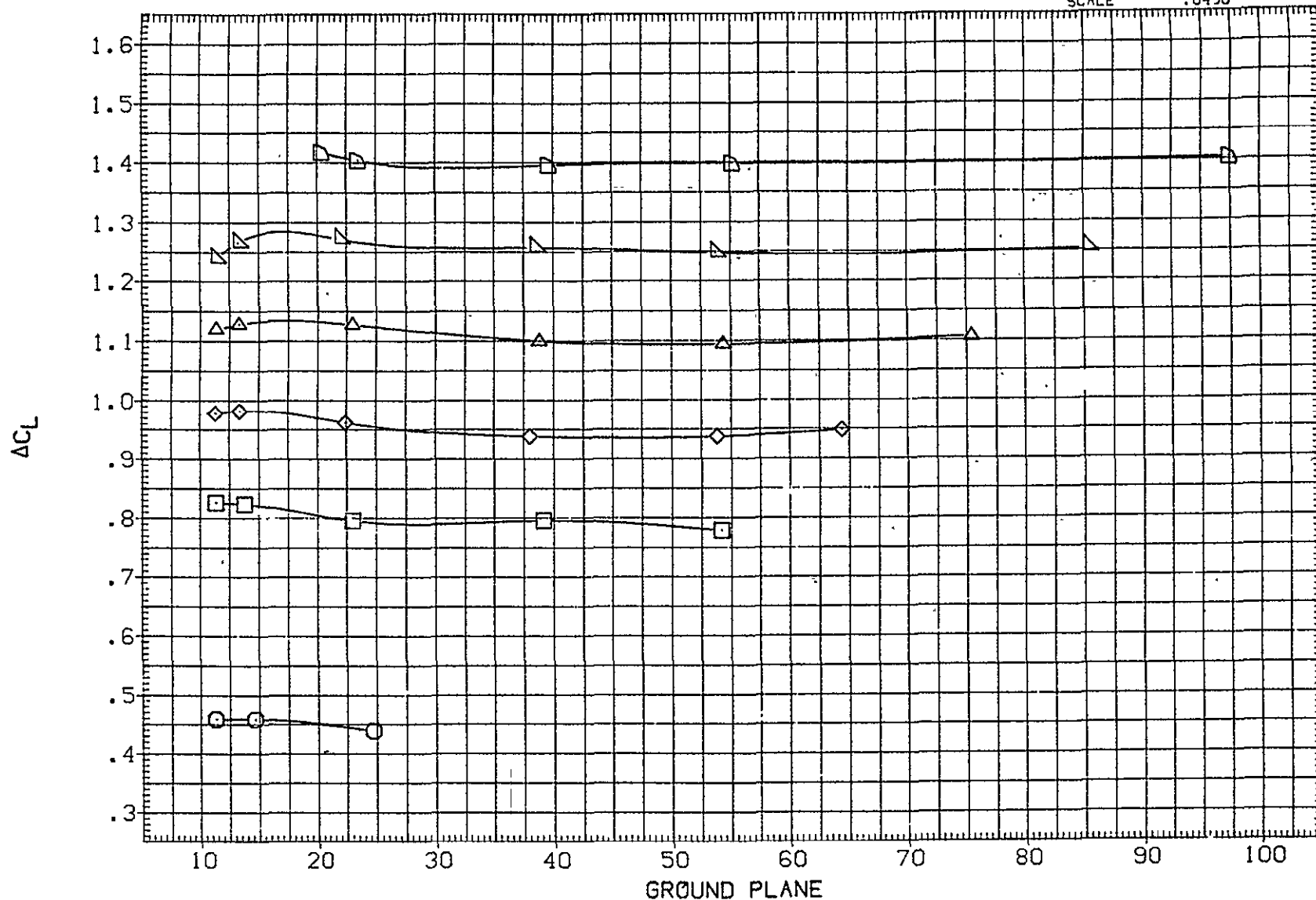
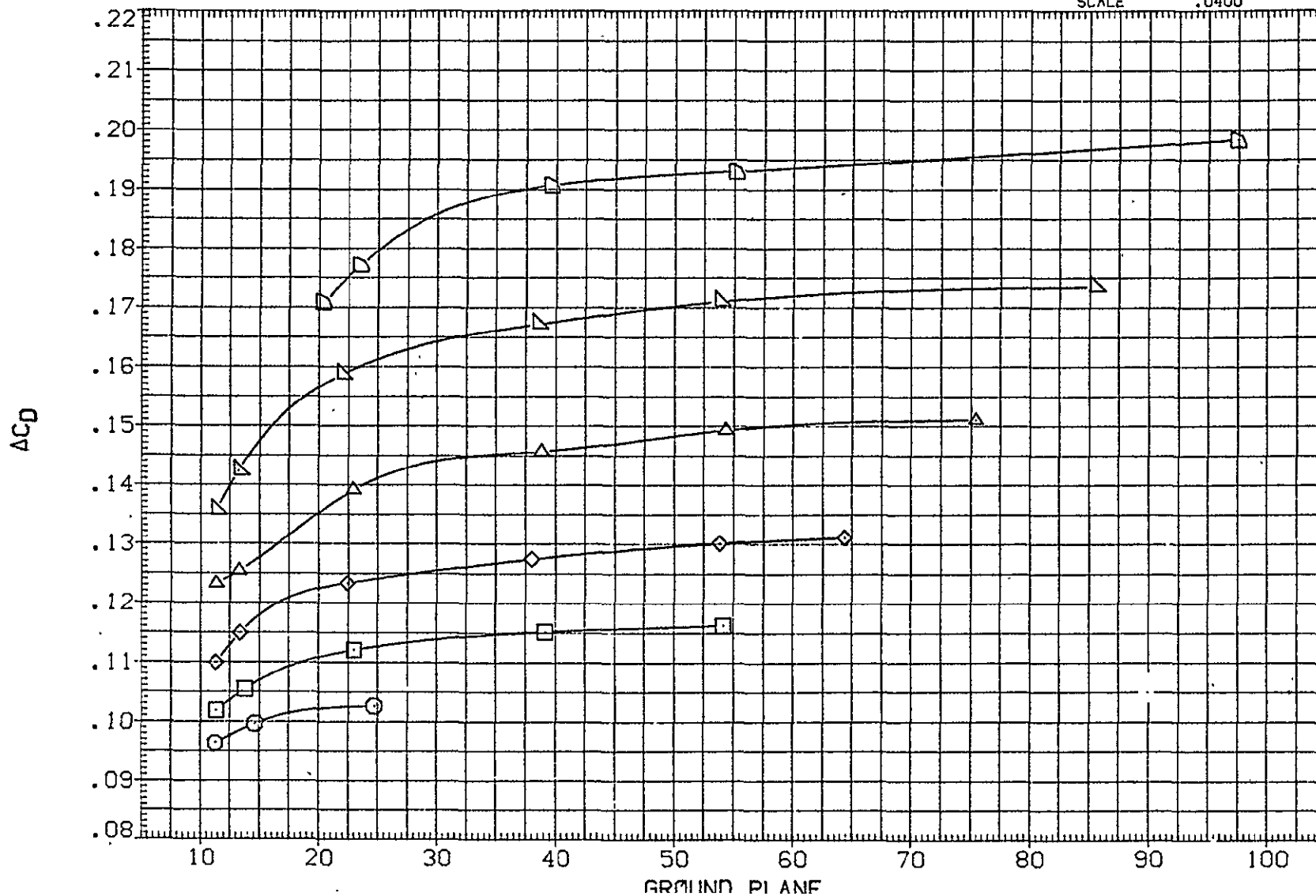


FIG 183 FERRY CON. IN GROUND PROXIMITY, HORIZ OFF, FLAPS 20 IORB=3, TC ON
 CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), GP SWEEPS
 (A)MACH = .15 PAGE 624

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA W	IORB	BQFLAP	ELEVON	REFERENCE INFORMATION		
(UJF422)	□	(CA-8) K2.1TS7 F20TS401G5.3.5	.183	3.000	-11.700	.000	SREF	5500.0000	50.FT.
(UJF423)	◇	(CA-8) K2.1TS7 F20TS401G5.3.5	4.173	3.000	-11.700	.000	LREF	327.8000	IN.
(UJF424)	◇	(CA-8) K2.1TS7 F20TS401G5.3.5	6.153	3.000	-11.700	.000	BREF	2348.0000	IN.
(UJF425)	△	(CA-8) K2.1TS7 F20TS401G5.3.5	8.284	3.000	-11.700	.000	XMRP	1339.9100	IN.XC
(UJF426)	△	(CA-8) K2.1TS7 F20TS401G5.3.5	10.235	3.000	-11.700	.000	YMRP	.0000	IN.YC
(UJF427)	△	(CA-8) K2.1TS7 F20TS401G5.3.5	12.154	3.000	-11.700	.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(UJF422)	○	(CA-8) K2.1TS7 F20TS401G5.3.5	.183	3.000	-11.700	.000	SREF	5500.0000	SQ.FT.
(UJF423)	□	(CA-8) K2.1TS7 F20TS401G5.3.5	4.173	3.000	-11.700	.000	LREF	327.8000	IN.
(UJF424)	◇	(CA-8) K2.1TS7 F20TS401G5.3.5	6.153	3.000	-11.700	.000	BRE	2348.0000	IN.
(UJF425)	△	(CA-8) K2.1TS7 F20TS401G5.3.5	8.284	3.000	-11.700	.000	XMRP	1339.9100	IN.XC
(UJF426)	▽	(CA-8) K2.1TS7 F20TS401G5.3.5	10.235	3.000	-11.700	.000	YMRP	.0000	IN.YC
(UJF427)	▢	(CA-8) K2.1TS7 F20TS401G5.3.5	12.154	3.000	-11.700	.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

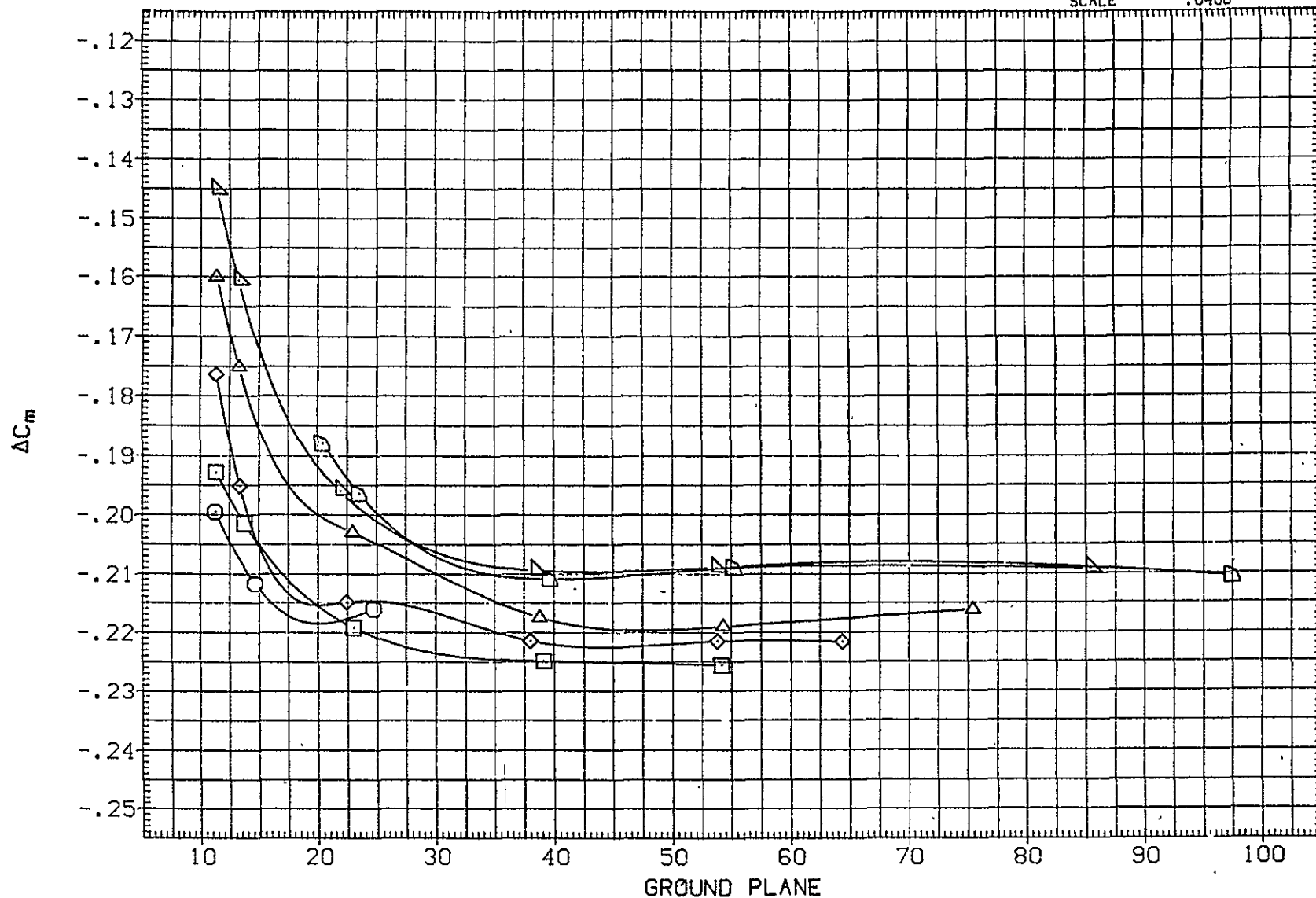


FIG 183 FERRY CON. IN GROUND PROXIMITY, HORIZ OFF, FLAPS 20 IORB=3, TC ON
 CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), GP SWEEPS
 (A)MACH = .15 PAGE 626

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	ICRB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(UJF440)	□	(CA-8) K2.1TS7H15.6.1F20TS401G5.3.5	.293	3.000	-11.700	.000	SREF	5500.0000	50.FT.
(UJF441)	○	(CA-8) K2.1TS7H15.6.1F20TS401G5.3.5	4.248	3.000	-11.700	.000	LREF	327.8000	IN.
(UJF442)	◇	(CA-8) K2.1TS7H15.6.1F20TS401G5.3.5	6.218	3.000	-11.700	.000	BREF	2348.0000	IN.
(UJF443)	△	(CA-8) K2.1TS7H15.6.1F20TS401G5.3.5	8.128	3.000	-11.700	.000	XMRP	1339.9100	IN.XC
(UJF444)	▽	(CA-8) K2.1TS7H15.6.1F20TS401G5.3.5	10.224	3.000	-11.700	.000	YMRP	.0000	IN.YC
(UJF445)	◻	(CA-8) K2.1TS7H15.6.1F20TS401G5.3.5	12.120	3.000	-11.700	.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

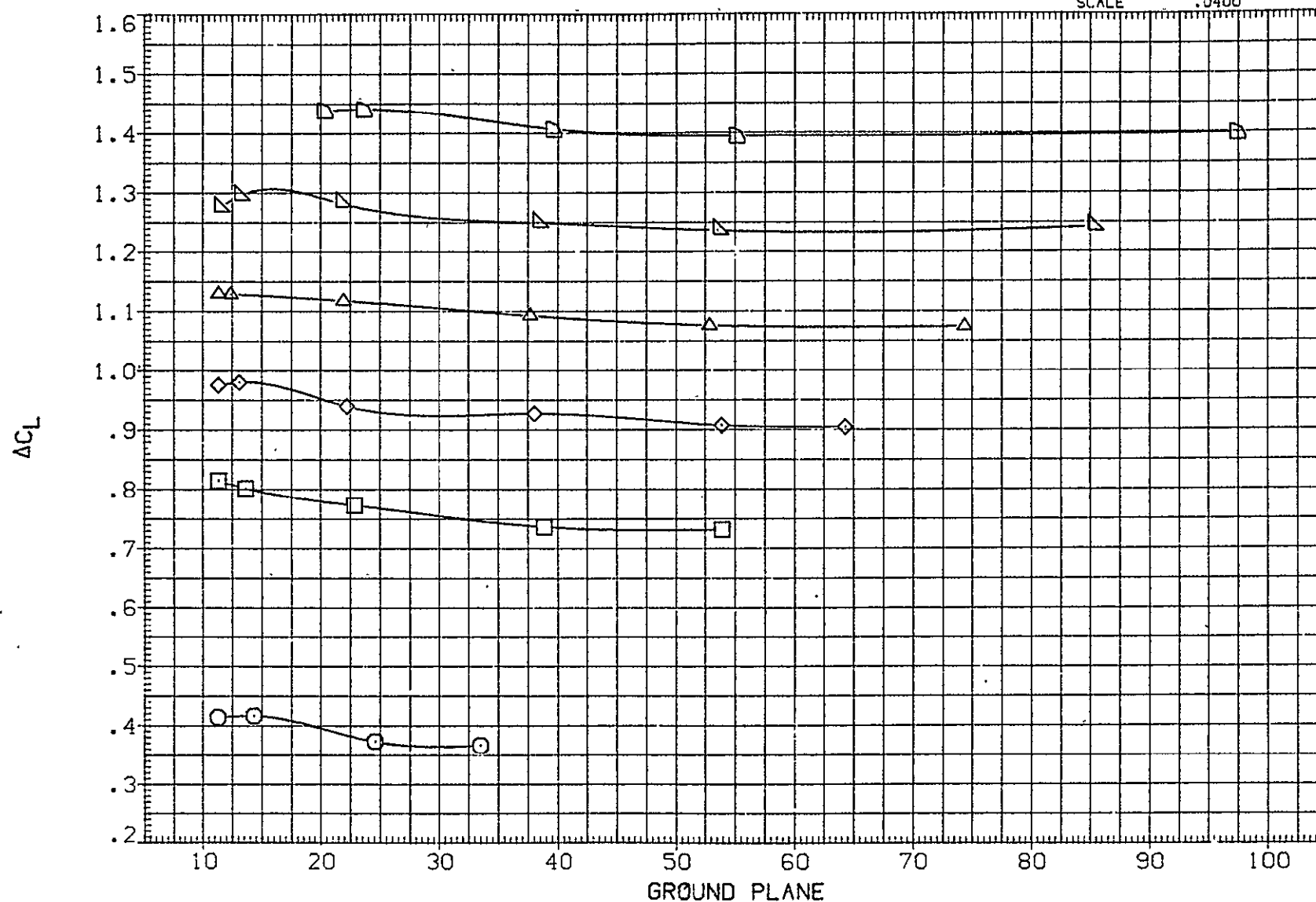


FIG 184 FERRY CON. IN GROUND PROXIMITY, STAB = 0, FLAPS 20 ICRB=3, TC ON CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE). GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(UJF440)	○	(CA-8) K2.1TS7H15.6.1F20TS40IG5.3.5	.293	3.000	-11.700	.000	SREF	5500.0000	SQ.FT.
(UJF441)	□	(CA-8) K2.1TS7H15.6.1F20TS40IG5.3.5	4.248	3.000	-11.700	.000	LREF	327.8000	IN.
(UJF442)	◇	(CA-8) K2.1TS7H15.6.1F20TS40IG5.3.5	6.218	3.000	-11.700	.000	BREF	2348.0000	IN.
(UJF443)	△	(CA-8) K2.1TS7H15.6.1F20TS40IG5.3.5	8.128	3.000	-11.700	.000	XM RP	1339.9100	IN.XC
(UJF444)	▽	(CA-8) K2.1TS7H15.6.1F20TS40IG5.3.5	10.224	3.000	-11.700	.000	YMRP	.0000	IN.YC
(UJF445)	▷	(CA-8) K2.1TS7H15.6.1F20TS40IG5.3.5	12.120	3.000	-11.700	.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

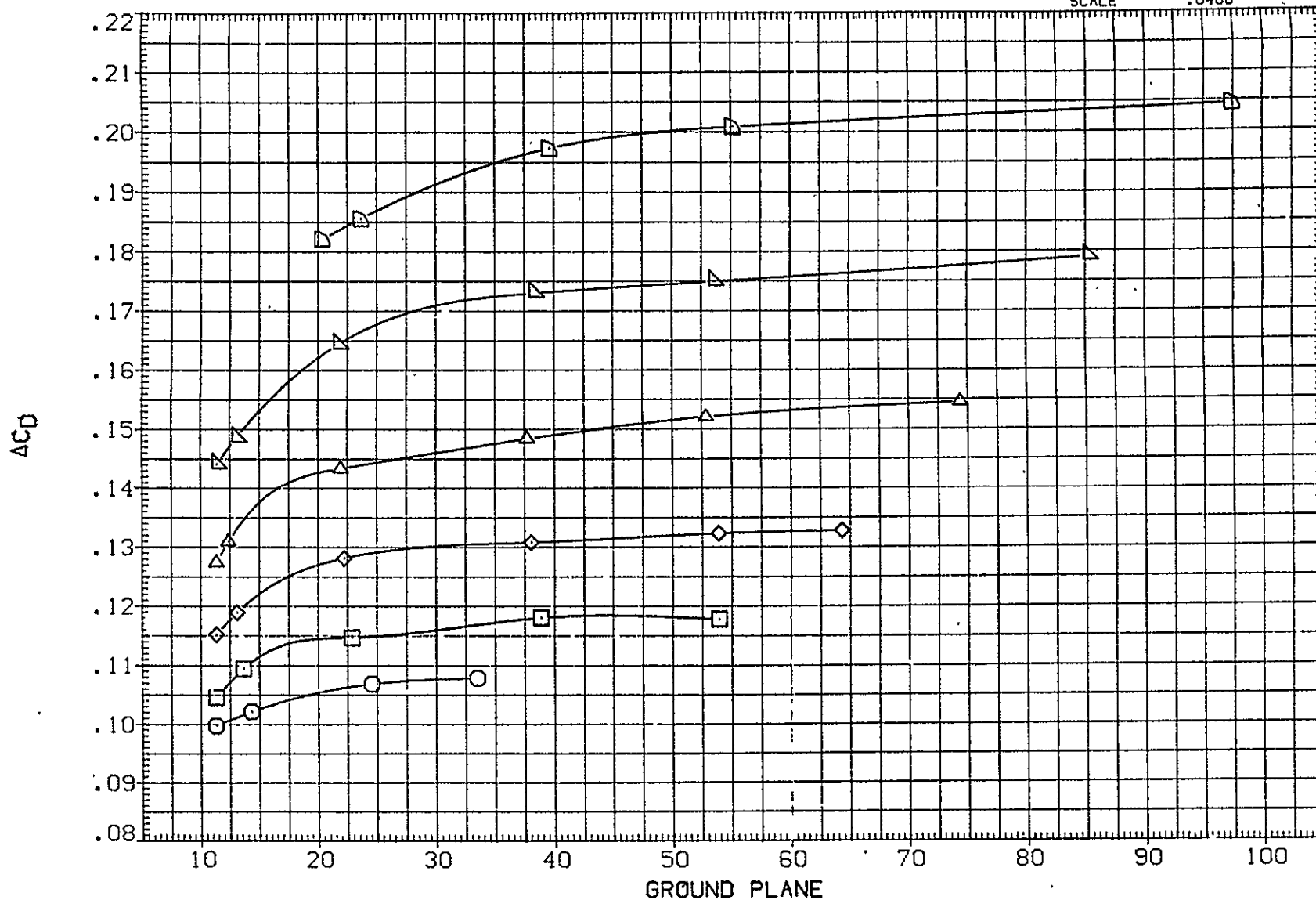


FIG 184 FERRY CON. IN GROUND PROXIMITY, STAB = 0, FLAPS 20 IORB=3, TC ON
 CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE). GP SWEEPS
 (A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(UJF440)	○	(CA-8) K2.1TS7H15.6.1F20TS401G5.3.5	.293	3.000	-11.700	.000	SREF	5500.0000	SG.FT.
(UJF441)	□	(CA-8) K2.1TS7H15.6.1F20TS401G5.3.5	4.248	3.000	-11.700	.000	LREF	327.8000	IN.
(UJF442)	◇	(CA-8) K2.1TS7H15.6.1F20TS401G5.3.5	6.218	3.000	-11.700	.000	BREF	2348.0000	IN.
(UJF443)	△	(CA-8) K2.1TS7H15.6.1F20TS401G5.3.5	8.128	3.000	-11.700	.000	XMRP	1339.9100	IN.XC
(UJF444)	▽	(CA-8) K2.1TS7H15.6.1F20TS401G5.3.5	10.224	3.000	-11.700	.000	YMRP	.0000	IN.YC
(UJF445)	◊	(CA-8) K2.1TS7H15.6.1F20TS401G5.3.5	12.120	3.000	-11.700	.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

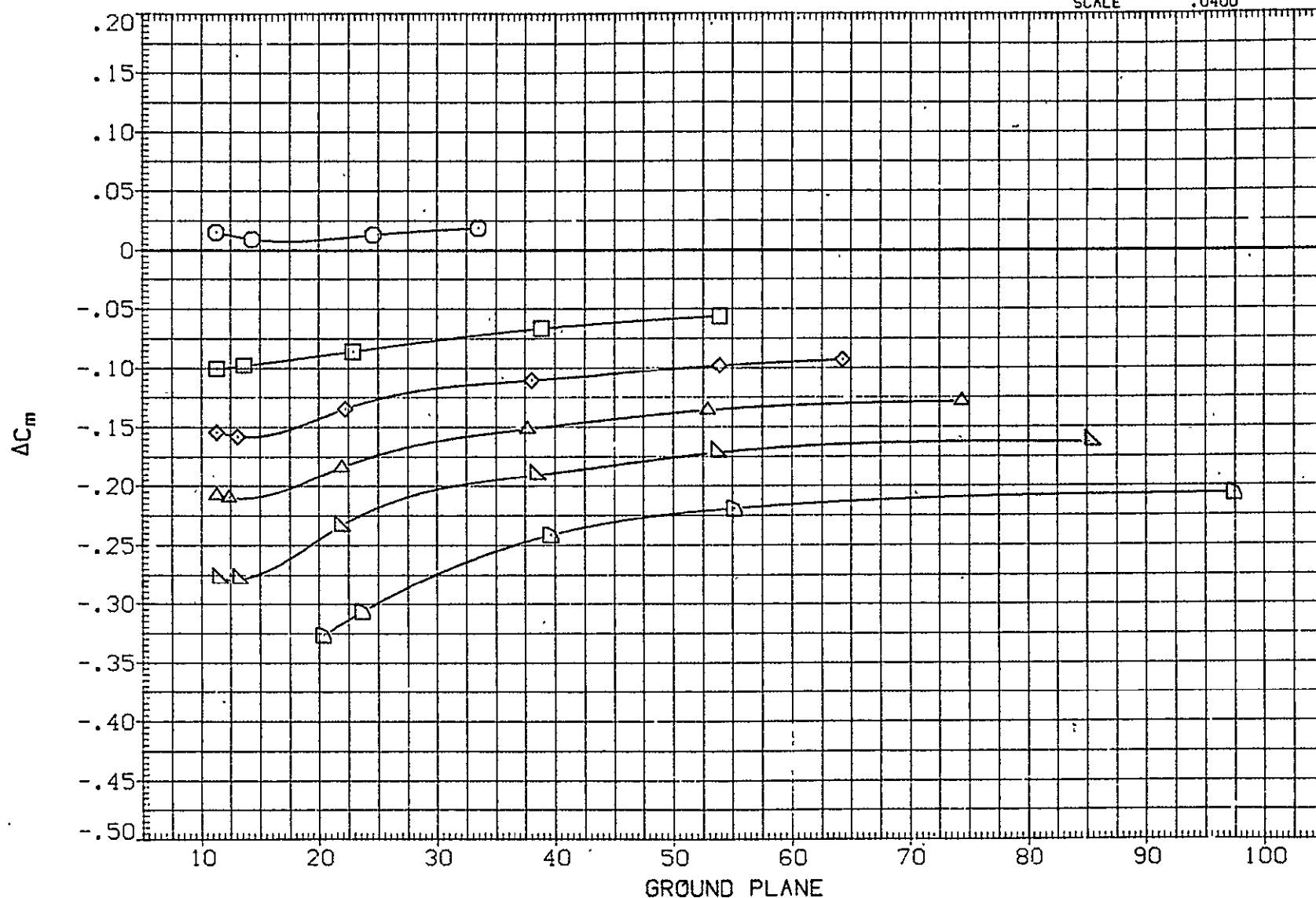


FIG 184 FERRY CON. IN GROUND PROXIMITY, STAB = 0, FLAPS 20 IORB=3, TC ON CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA _W	IORB	BOFLAP	ELEVON	REFERENCE INFORMATION		
(UJF434)	○	(CA-8) K2.1TS7H15.6.1F20TS401G5.3.5	.213	3.000	-11.700	.000	SREF	5500.0000	.50.FT.
(UJF435)	□	(CA-8) K2.1TS7H15.6.1F20TS401G5.3.5	4.217	3.000	-11.700	.000	LREF	327.8000	IN.
(UJF436)	◇	(CA-8) K2.1TS7H15.6.1F20TS401G5.3.5	6.243	3.000	-11.700	.000	BREF	2348.0000	IN.
(UJF437)	△	(CA-8) K2.1TS7H15.6.1F20TS401G5.3.5	8.082	3.000	-11.700	.000	XMRP	1339.9100	IN.XC
(UJF438)	▽	(CA-8) K2.1TS7H15.6.1F20TS401G5.3.5	10.091	3.000	-11.700	.000	YMRP	.0000	IN.YC
(UJF439)	▷	(CA-8) K2.1TS7H15.6.1F20TS401G5.3.5	12.115	3.000	-11.700	.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

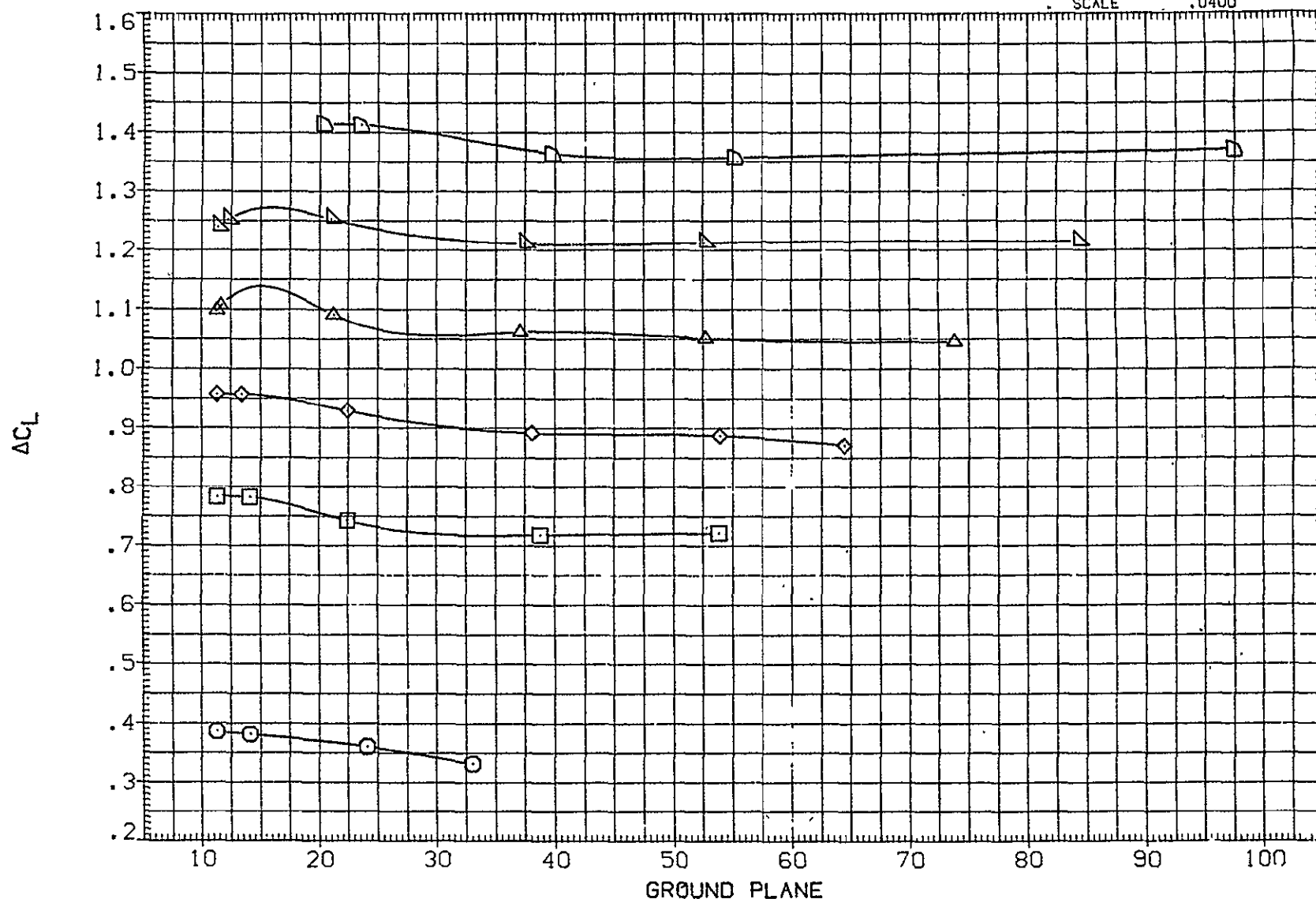


FIG 185 FERRY CON. IN GROUND PROXIMITY, STAB = -2, FLAPS 20 IORB=3, TC ON CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION			DA
(UJF434)	○	(CA-8) K2.1TS7H15.6.1F20TS40IG5.3.5	.213	3.000	-11.700	.000	SREF	5500.0000	50. FT.	(U
(UJF435)	□	(CA-8) K2.1TS7H15.6.1F20TS40IG5.3.5	4.217	3.000	-11.700	.000	LREF	327.8000	IN.	(U
(UJF436)	◇	(CA-8) K2.1TS7H15.6.1F20TS40IG5.3.5	6.243	3.000	-11.700	.000	BREF	2348.0000	IN.	(U
(UJF437)	△	(CA-8) K2.1TS7H15.6.1F20TS40IG5.3.5	8.082	3.000	-11.700	.000	XMRP	1339.9100	IN. XC	(U
(UJF438)	▽	(CA-8) K2.1TS7H15.6.1F20TS40IG5.3.5	10.091	3.000	-11.700	.000	YMRP	.0000	IN. YC	(U
(UJF439)	◻	(CA-8) K2.1TS7H15.6.1F20TS40IG5.3.5	12.115	3.000	-11.700	.000	ZMRP	190.7500	IN. ZC	(U
							SCALE	.0400		

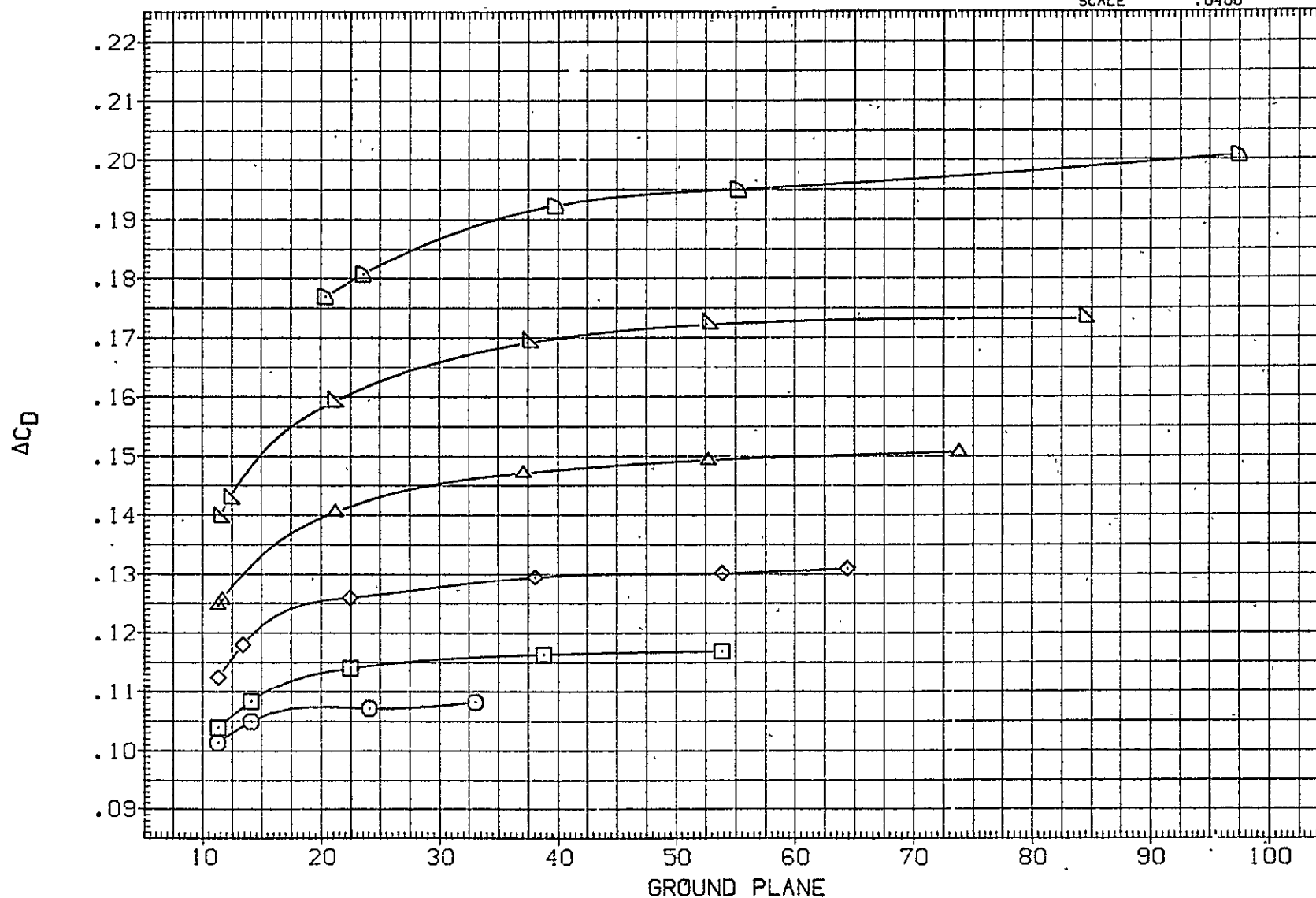


FIG 185 FERRY CON. IN GROUND PROXIMITY, STAB = -2, FLAPS 20 IORB=3, TC ON
CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), GP SWEEPS

A SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
F434)	○	(CA-8) K2.1TS7H15.6.1F20TS40IG5.3.5	.213	3.000	-11.700	.000	SREF	5500.0000	SQ.FT.
F435)	□	(CA-8) K2.1TS7H15.6.1F20TS40IG5.3.5	4.217	3.000	-11.700	.000	LREF	327.8000	IN.
F436)	◇	(CA-8) K2.1TS7H15.6.1F20TS40IG5.3.5	6.243	3.000	-11.700	.000	BREF	2348.0000	IN.
F437)	△	(CA-8) K2.1TS7H15.6.1F20TS40IG5.3.5	8.082	3.000	-11.700	.000	XMRP	1339.9100	IN.XC
F438)	▽	(CA-8) K2.1TS7H15.6.1F20TS40IG5.3.5	10.091	3.000	-11.700	.000	YMRP	.0000	IN.YC
F439)	◁	(CA-8) K2.1TS7H15.6.1F20TS40IG5.3.5	12.115	3.000	-11.700	.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

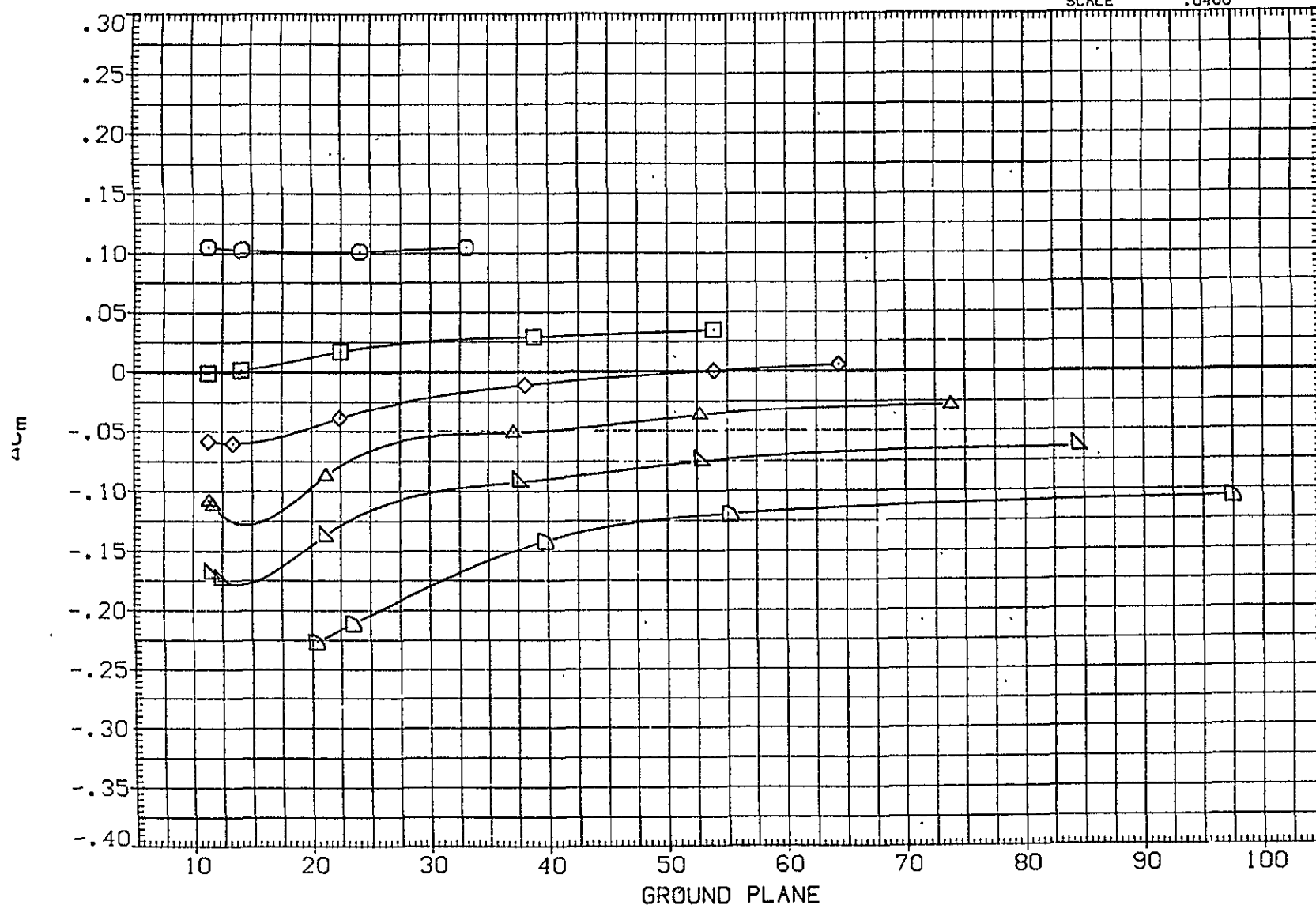


FIG 185 FERRY CON. IN GROUND PROXIMITY, STAB = -2, FLAPS 20 IORB=3, TC ON
CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), GP SWEEPS

MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION			DA
(UJF428)	□	(CA-8) K2.1TS7H15.6.1F20TS40IG5.3.5	.228	3.000	-11.700	.000	SREF	5500.0000	50.FT.	(U.
(UJF429)	□	(CA-8) K2.1TS7H15.6.1F20TS40IG5.3.5	4.127	3.000	-11.700	.000	LREF	327.8000	IN.	(U.
(UJF430)	◇	(CA-8) K2.1TS7H15.6.1F20TS40IG5.3.5	6.124	3.000	-11.700	.000	BREF	2348.0000	IN.	(U.
(UJF431)	△	(CA-8) K2.1TS7H15.6.1F20TS40IG5.3.5	8.118	3.000	-11.700	.000	XMRP	1339.9100	IN.XC	(U.
(UJF432)	△	(CA-8) K2.1TS7H15.6.1F20TS40IG5.3.5	10.126	3.000	-11.700	.000	YMRP	.0000	IN.YC	(U.
(UJF433)	△	(CA-8) K2.1TS7H15.6.1F20TS40IG5.3.5	12.127	3.000	-11.700	.000	ZMRP	190.7500	IN.ZC	(U.
							SCALE	.0400		

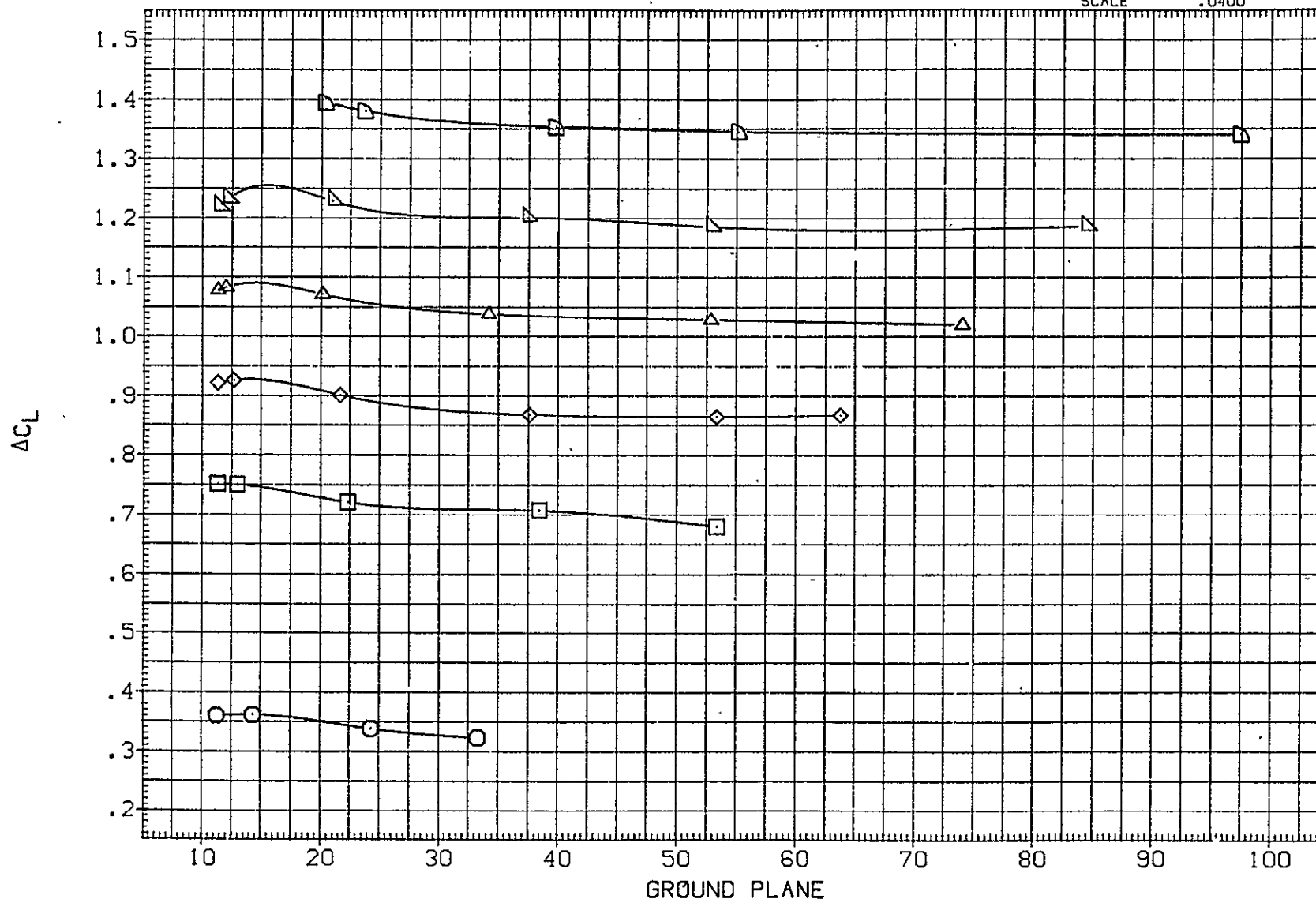


FIG 186 FERRY CON. IN GROUND PROXIMITY, STAB = -4, FLAPS 20 IORB=3, TC ON CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), GP SWEEPS

(A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA _W	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(UJF428)	○	(CA-8) K2.1TS7H15.6.1F20TS40165.3.5	.228	3.000	-11.700	.000	SREF	5500.0000	SQ.FT.
(UJF429)	□	(CA-8) K2.1TS7H15.6.1F20TS40165.3.5	4.127	3.000	-11.700	.000	LREF	327.8000	IN.
(UJF430)	◇	(CA-8) K2.1TS7H15.6.1F20TS40165.3.5	6.124	3.000	-11.700	.000	BREF	2348.0000	IN.
(UJF431)	△	(CA-8) K2.1TS7H15.6.1F20TS40165.3.5	8.118	3.000	-11.700	.000	XMRP	1339.9100	IN.XC
(UJF432)	▽	(CA-8) K2.1TS7H15.6.1F20TS40165.3.5	10.126	3.000	-11.700	.000	YMRP	.0000	IN.YC
(UJF433)	◻	(CA-8) K2.1TS7H15.6.1F20TS40165.3.5	12.127	3.000	-11.700	.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

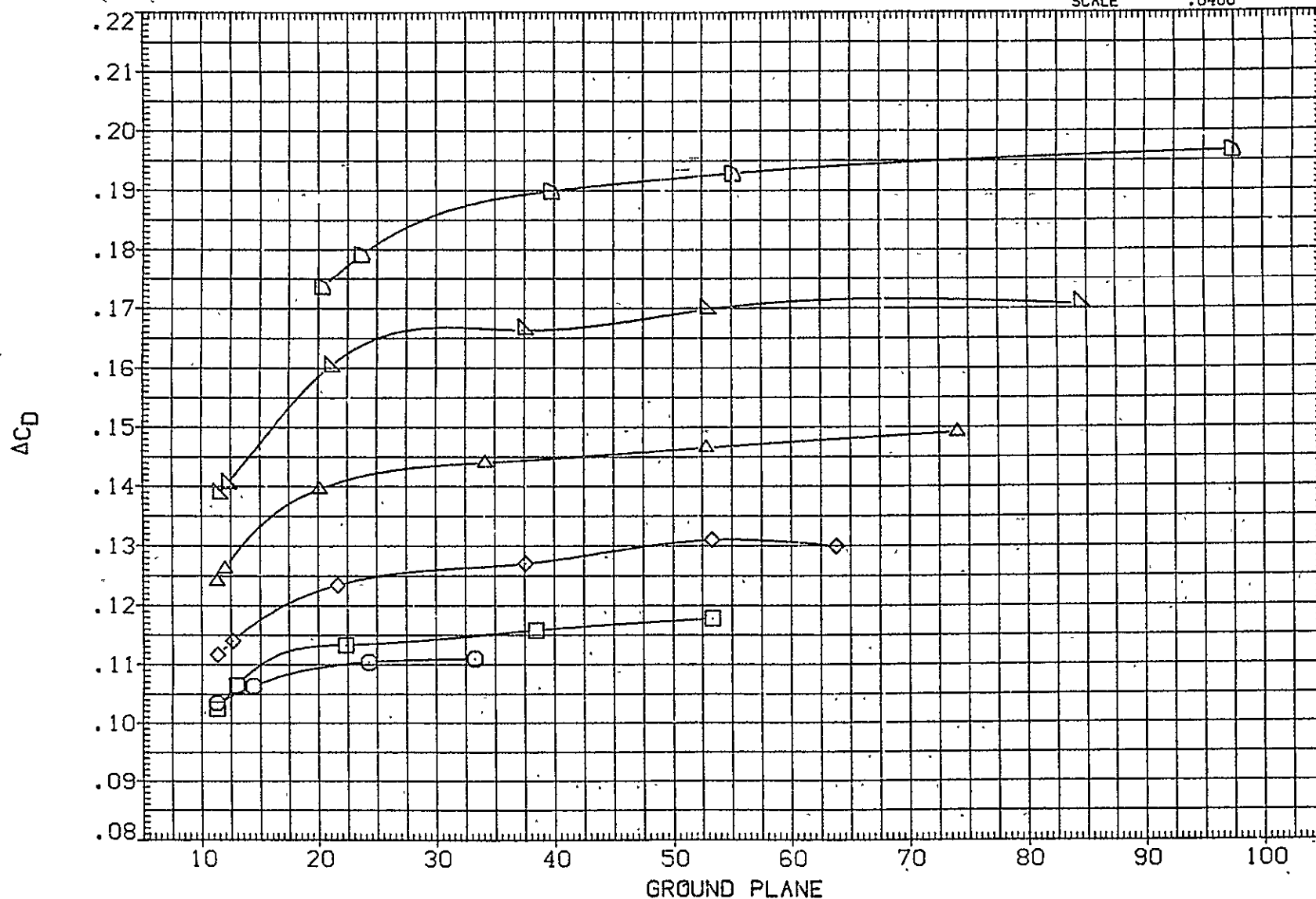


FIG 186 FERRY CON. IN GROUND PROXIMITY, STAB = -4, FLAPS 20 IORB=3, TC ON CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	IORB	BCFLAP	ELEVON	REFERENCE INFORMATION		
(UJF428)	○	(CA-8) K2.1TS7H15.6.1F20TS40165.3.5	.228	3.000	-11.700	.000	SREF	5500.0000	50.FT.
(UJF429)	□	(CA-8) K2.1TS7H15.6.1F20TS40165.3.5	4.127	3.000	-11.700	.000	LREF	327.8000	IN.
(UJF430)	◇	(CA-8) K2.1TS7H15.6.1F20TS40165.3.5	6.124	3.000	-11.700	.000	BREF	2348.0000	IN.
(UJF431)	△	(CA-8) K2.1TS7H15.6.1F20TS40165.3.5	8.118	3.000	-11.700	.000	XMRP	1339.9100	IN.XC
(UJF432)	▽	(CA-8) K2.1TS7H15.6.1F20TS40165.3.5	10.126	3.000	-11.700	.000	YMRP	.0000	IN.YC
(UJF433)	◻	(CA-8) K2.1TS7H15.6.1F20TS40165.3.5	12.127	3.000	-11.700	.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

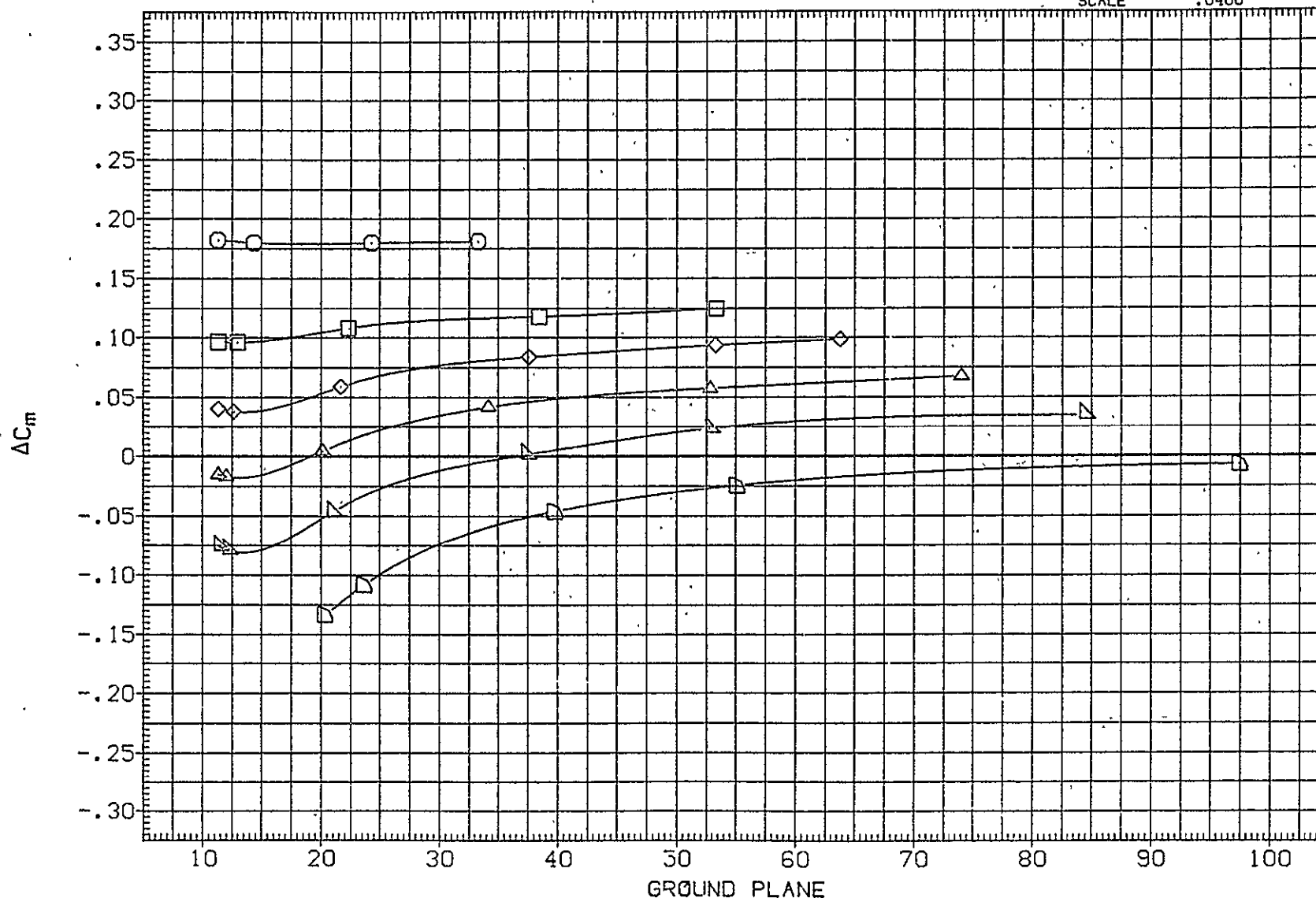


FIG 186 FERRY CON. IN GROUND PROXIMITY, STAB = -4, FLAPS 20 IORB=3, TC ON
CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(UJF416)	○	(CA-8) K2.1TS7H15.6.1F20TS401G5.3.5	.239	3.000	-11.700	.000	SREF	5500.0000	SQ.FT.
(UJF417)	□	(CA-8) K2.1TS7H15.6.1F20TS401G5.3.5	4.132	3.000	-11.700	.000	LREF	327.8000	IN.
(UJF418)	◇	(CA-8) K2.1TS7H15.6.1F20TS401G5.3.5	6.160	3.000	-11.700	.000	BREF	2348.0000	IN.
(UJF419)	△	(CA-8) K2.1TS7H15.6.1F20TS401G5.3.5	8.144	3.000	-11.700	.000	XMRP	1339.9100	IN.XC
(UJF420)	▽	(CA-8) K2.1TS7H15.6.1F20TS401G5.3.5	10.094	3.000	-11.700	.000	YMRP	.0000	IN.YC
(UJF421)	◻	(CA-8) K2.1TS7H15.6.1F20TS401G5.3.5	12.106	3.000	-11.700	.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

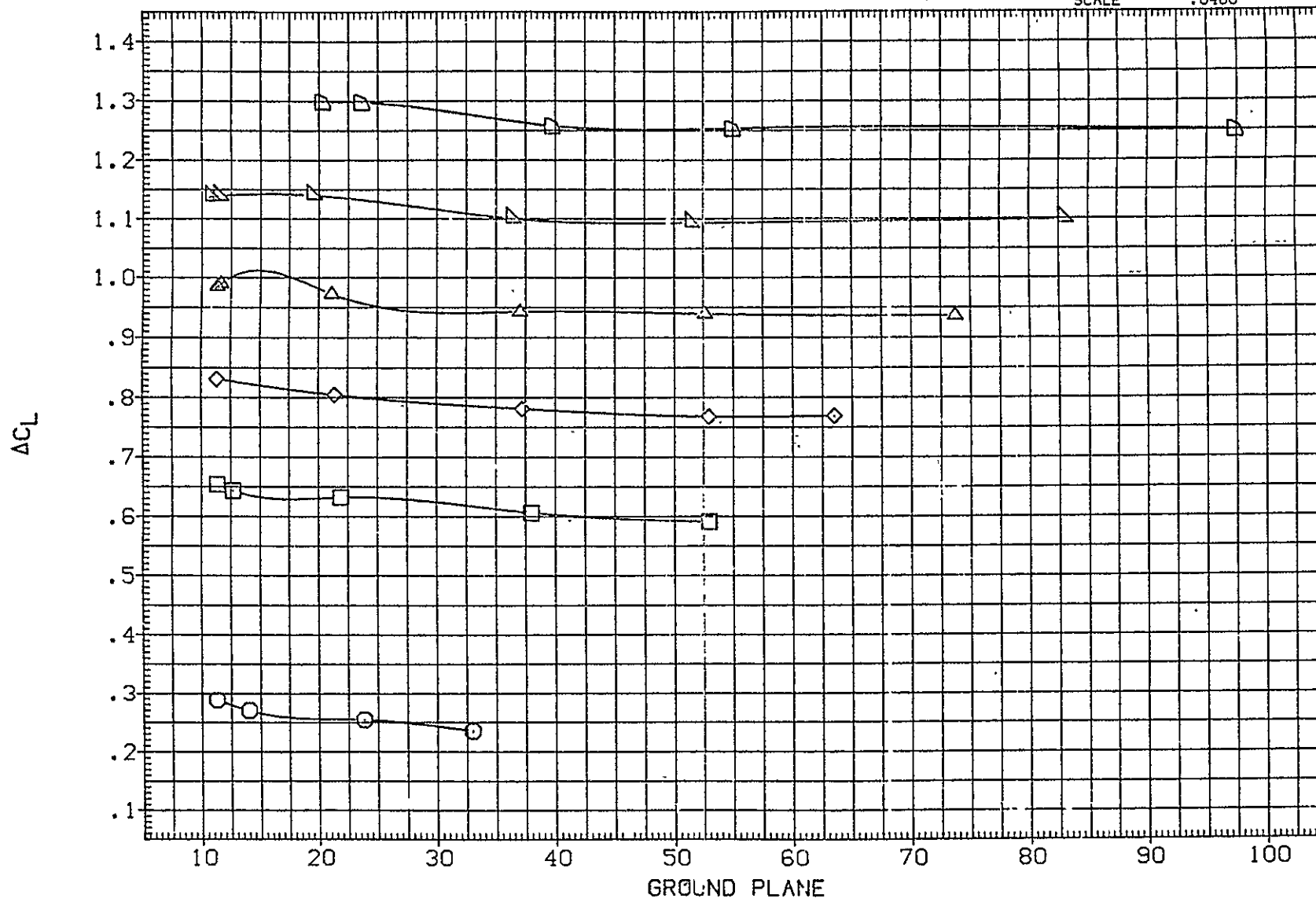


FIG 187 FERRY CON. IN GROUND PROXIMITY, STAB = 0, ELEVTR=-23, IORB=3, TC ON CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(UJF416)	○	(CA-8) K2.1TS7H15.6.1F20TS401G5.3.5	.239	3.000	-11.700	.000	SREF	5500.0000	SQ.FT.
(UJF417)	□	(CA-8) K2.1TS7H15.6.1F20TS401G5.3.5	4.132	3.000	-11.700	.000	LREF	327.8000	IN.
(UJF418)	◇	(CA-8) K2.1TS7H15.6.1F20TS401G5.3.5	6.160	3.000	-11.700	.000	BREF	2348.0000	IN.
(UJF419)	△	(CA-8) K2.1TS7H15.6.1F20TS401G5.3.5	8.144	3.000	-11.700	.000	XMRP	1339.9100	IN.XC
(UJF420)	▽	(CA-8) K2.1TS7H15.6.1F20TS401G5.3.5	10.094	3.000	-11.700	.000	YMRP	.0000	IN.YC
(UJF421)	◻	(CA-8) K2.1TS7H15.6.1F20TS401G5.3.5	12.106	3.000	-11.700	.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

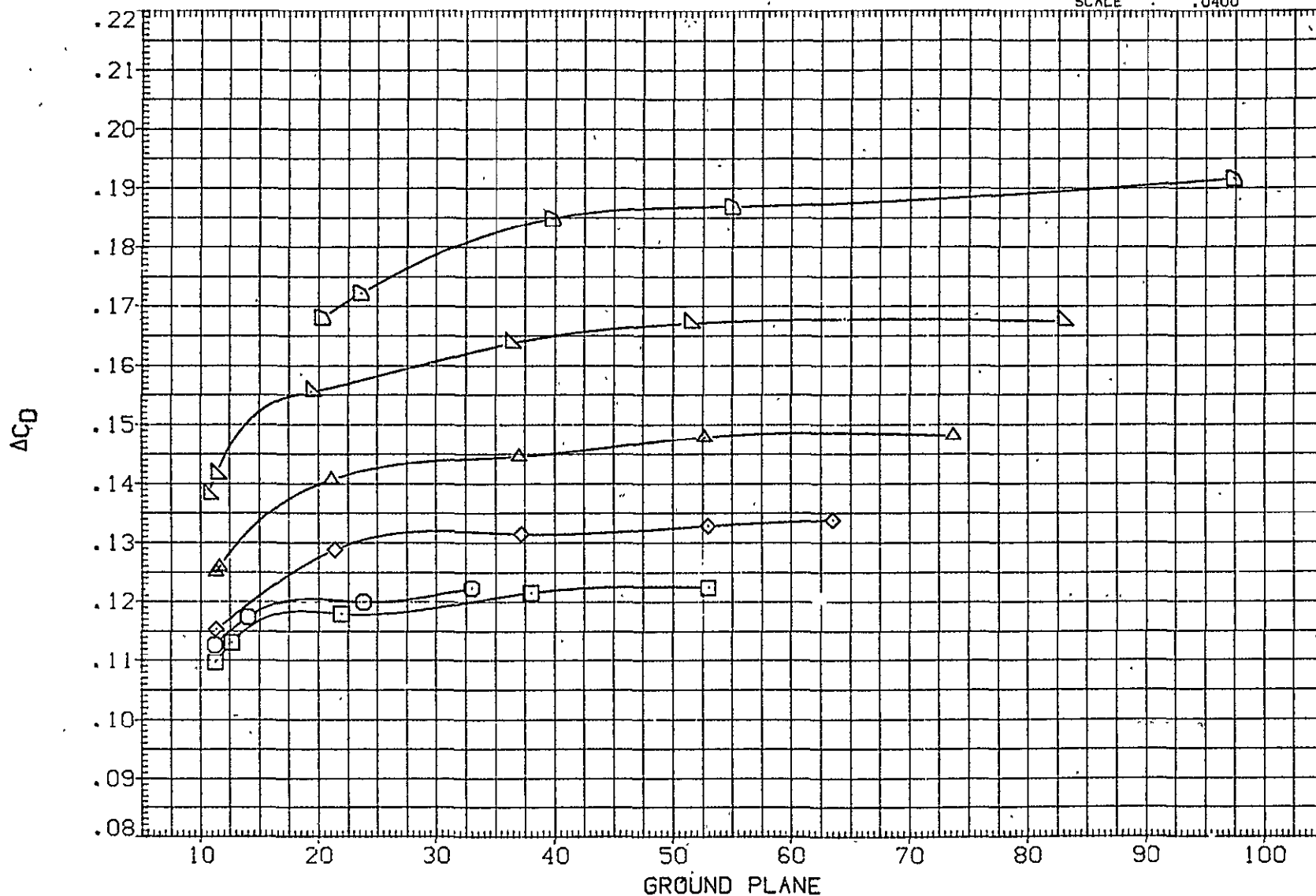


FIG 187 FERRY CON. IN GROUND PROXIMITY, STAB = 0, ELEVTR=-23, IORB=3, TC ON CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), GP SWEEPS

(A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA W	IORB	BOFLAP	ELEVON	REFERENCE INFORMATION		
UJF416)	○	(CA-8) K2.1TS7H15.6.1F20TS401G5.3.5	.239	3.000	-11.700	.000	SREF	5500.0000	50. FT.
UJF417)	□	(CA-8) K2.1TS7H15.6.1F20TS401G5.3.5	4.132	3.000	-11.700	.000	LREF	327.8000	IN.
UJF418)	◇	(CA-8) K2.1TS7H15.6.1F20TS401G5.3.5	6.160	3.000	-11.700	.000	BREF	2348.0000	IN.
UJF419)	△	(CA-8) K2.1TS7H15.6.1F20TS401G5.3.5	8.144	3.000	-11.700	.000	XMRP	1339.9100	IN. XC
UJF420)	▽	(CA-8) K2.1TS7H15.6.1F20TS401G5.3.5	10.094	3.000	-11.700	.000	YMRP	.0000	IN. YC
UJF421)	◻	(CA-8) K2.1TS7H15.6.1F20TS401G5.3.5	12.106	3.000	-11.700	.000	ZMRP	190.7500	IN. ZC
							SCALE	.0400	

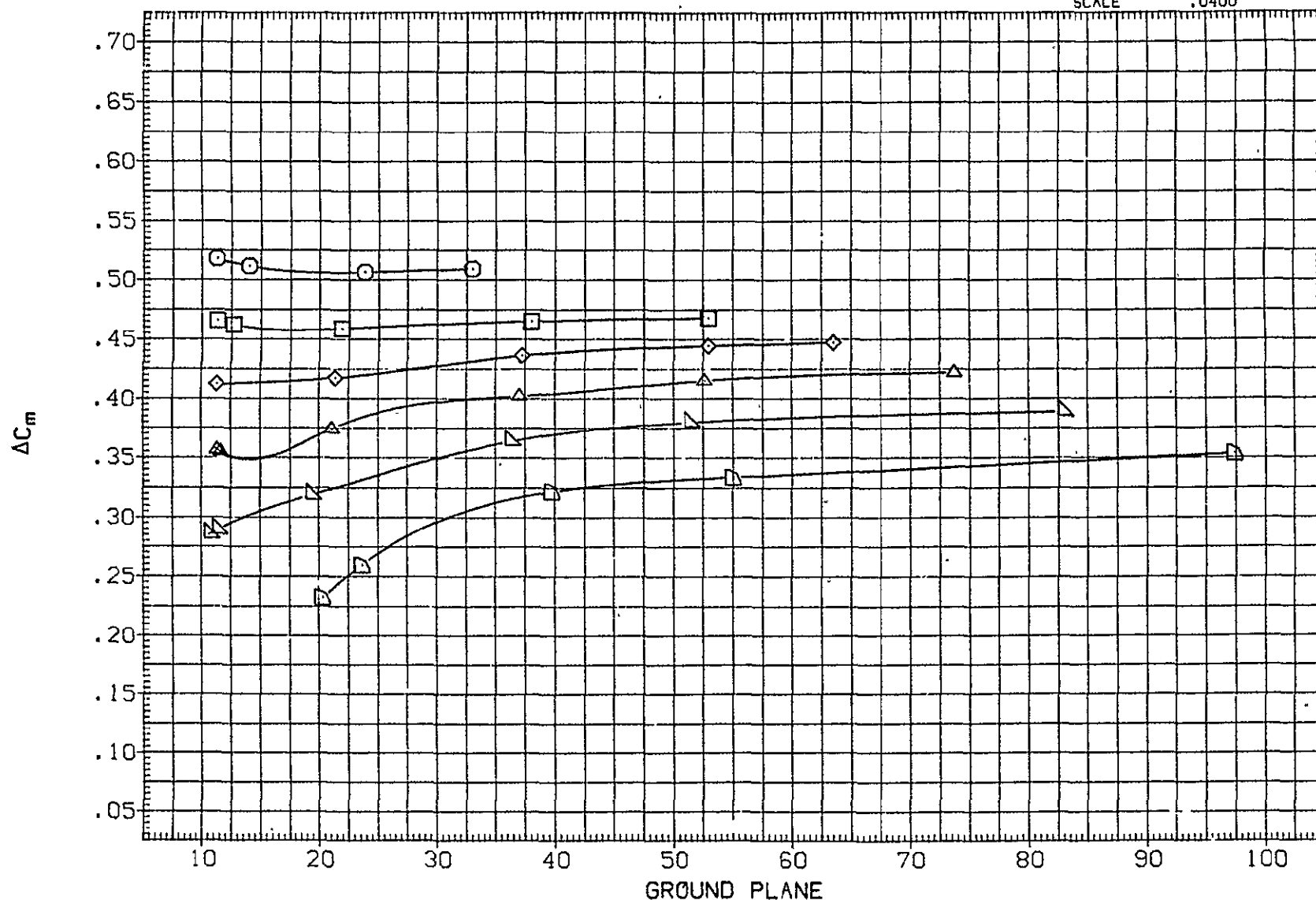


FIG 187 FERRY CON. IN GROUND PROXIMITY. STAB = 0. ELEVTR=-23. IORB=3. TC ON CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), GP SWEEPS

(A)MACH = .15

TA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
NF482)	□	(CA-8) K3.1TS7 F20TS401G5.3.5	.145	6.000	-11.700	-5.000	SREF	5500.0000	SQ.FT.
NF483)	○	(CA-8) K3.1TS7 F20TS401G5.3.5	4.103	6.000	-11.700	-5.000	LREF	327.8000	IN.
NF484)	◇	(CA-8) K3.1TS7 F20TS401G5.3.5	6.140	6.000	-11.700	-5.000	BREF	2348.0000	IN.
NF485)	△	(CA-8) K3.1TS7 F20TS401G5.3.5	8.130	6.000	-11.700	-5.000	XMRP	1339.9100	IN.XC
NF486)	▽	(CA-8) K3.1TS7 F20TS401G5.3.5	10.130	6.000	-11.700	-5.000	YMRP	.0000	IN.YC
NF487)	◻	(CA-8) K3.1TS7 F20TS401G5.3.5	12.185	6.000	-11.700	-5.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

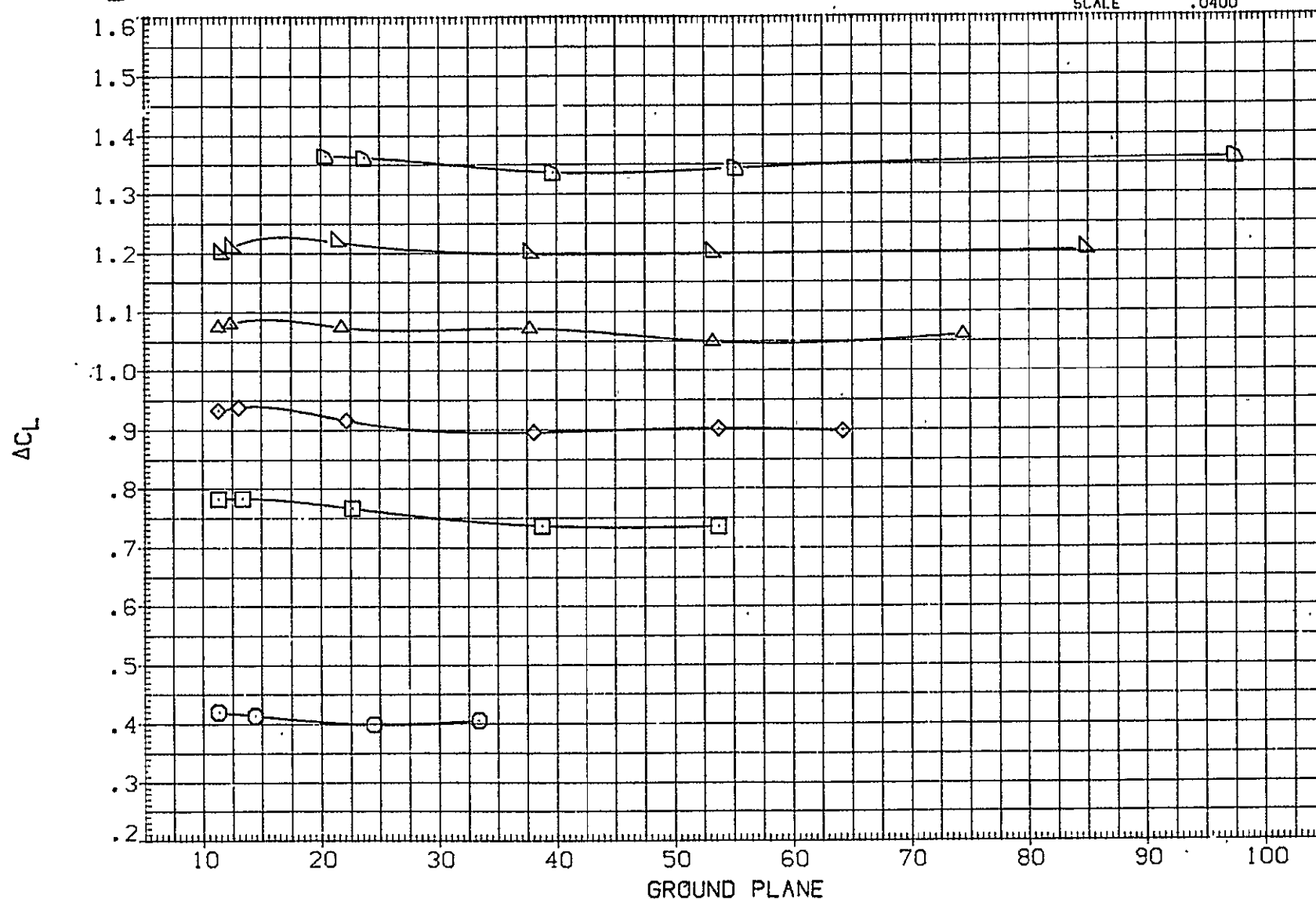


FIG 188 FERRY CON. IN GROUND PROXIMITY, HORIZ OFF, FLAPS 20 IORB=6, TC ON
CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), GP SWEEPS

ATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	IORB	BDLAP	ELEVON	REFERENCE INFORMATION		
UJF482)	○	(CA-8) K3.1TS7 F20TS40165.3.5	.145	6.000	-11.700	-5.000	SREF	5500.0000	SQ.FT.
UJF483)	□	(CA-8) K3.1TS7 F20TS40165.3.5	4.103	6.000	-11.700	-5.000	LREF	327.8000	IN.
UJF484)	◇	(CA-8) K3.1TS7 F20TS40165.3.5	6.140	6.000	-11.700	-5.000	BREF	2348.0000	IN.
UJF485)	△	(CA-8) K3.1TS7 F20TS40165.3.5	8.130	6.000	-11.700	-5.000	XMRP	1339.9100	IN.XC
UJF486)	▽	(CA-8) K3.1TS7 F20TS40165.3.5	10.130	6.000	-11.700	-5.000	YMRP	.0000	IN.YC
UJF487)	◻	(CA-8) K3.1TS7 F20TS40165.3.5	12.185	6.000	-11.700	-5.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

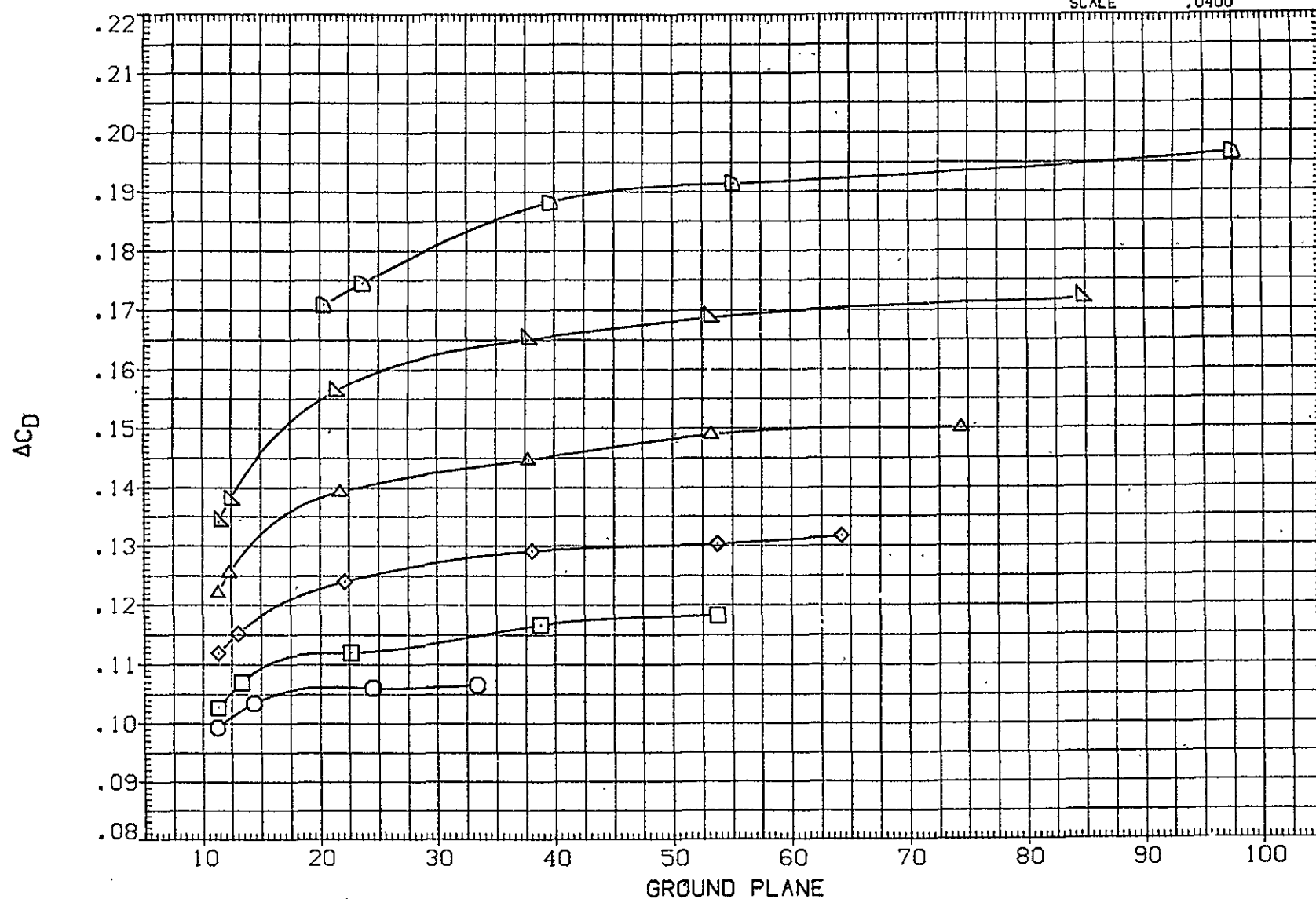


FIG 188 FERRY CON. IN GROUND PROXIMITY, HORIZ OFF, FLAPS 20 IORB=6, TC ON
CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), GP SWEEPS

A)MACH = .15

TA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
NF482)	○	(CA-8) K3.1TS7 F20TS40165.3.5	.145	6.000	-11.700	-5.000	SREF	5500.0000	50.FT.
NF483)	□	(CA-8) K3.1TS7 F20TS40165.3.5	4.103	6.000	-11.700	-5.000	LREF	327.8000	IN.
NF484)	◇	(CA-8) K3.1TS7 F20TS40165.3.5	6.140	6.000	-11.700	-5.000	BREF	2348.0000	IN.
NF485)	△	(CA-8) K3.1TS7 F20TS40165.3.5	8.130	6.000	-11.700	-5.000	XMRP	1339.9100	IN.XC
NF486)	▽	(CA-8) K3.1TS7 F20TS40165.3.5	10.130	6.000	-11.700	-5.000	YMRP	.0000	IN.YC
NF487)	◻	(CA-8) K3.1TS7 F20TS40165.3.5	12.185	6.000	-11.700	-5.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

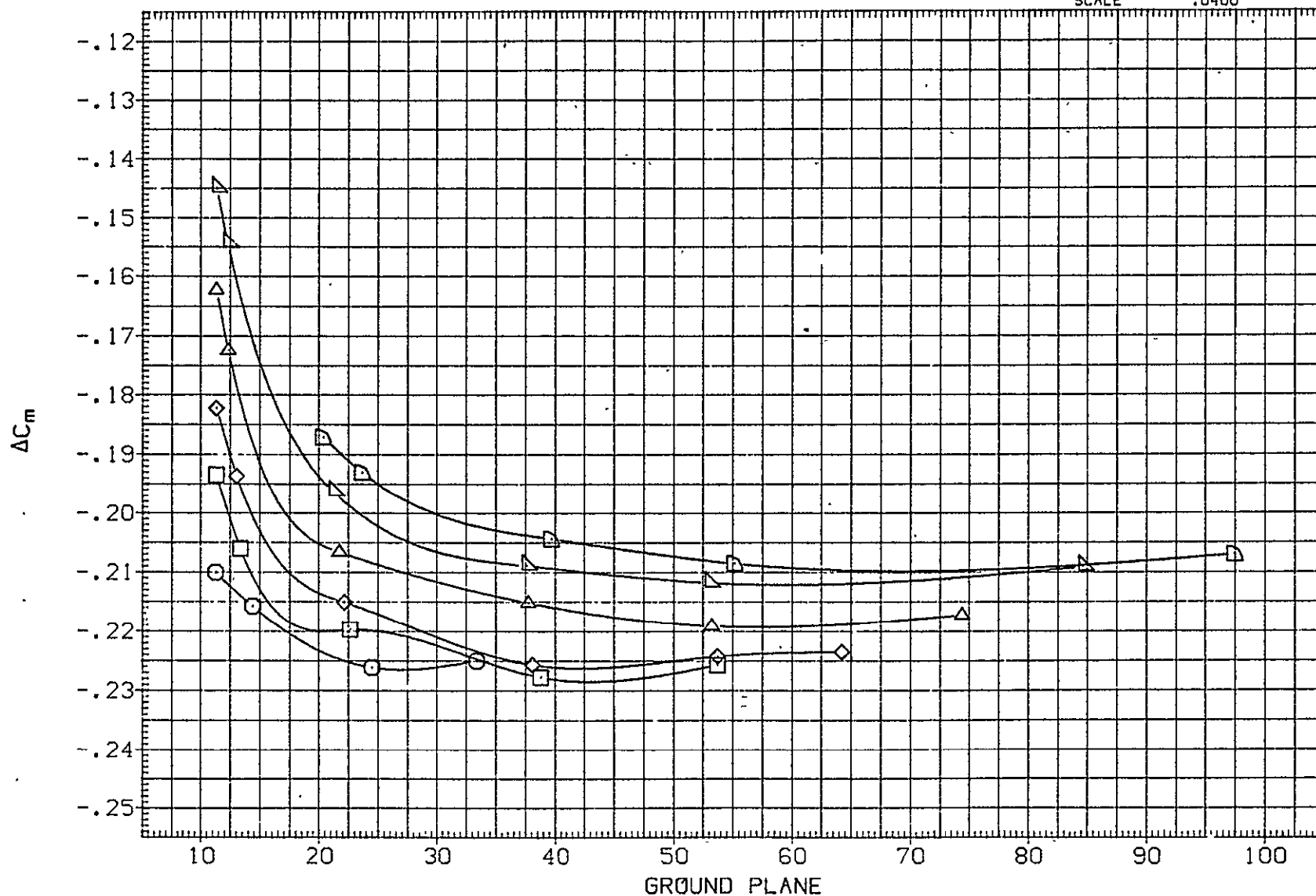


FIG 188 FERRY CON. IN GROUND PROXIMITY, HORIZ OFF. FLAPS 20 IORB=6, TC ON
CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), GP SWEEPS

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
UJF476)	○	(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5	.160	6.000	-11.700	-5.000	SREF	5500.0000	SQ.FT.
UJF477)	□	(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5	4.122	6.000	-11.700	-5.000	LREF	327.8000	IN.
UJF478)	◇	(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5	6.123	6.000	-11.700	-5.000	BREF	2348.0000	IN.
UJF479)	△	(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5	8.107	6.000	-11.700	-5.000	XMRP	1339.9100	IN.XC
UJF480)	▽	(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5	10.145	6.000	-11.700	-5.000	YMRP	.0000	IN.YC
UJF481)	◻	(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5	12.153	6.000	-11.700	-5.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

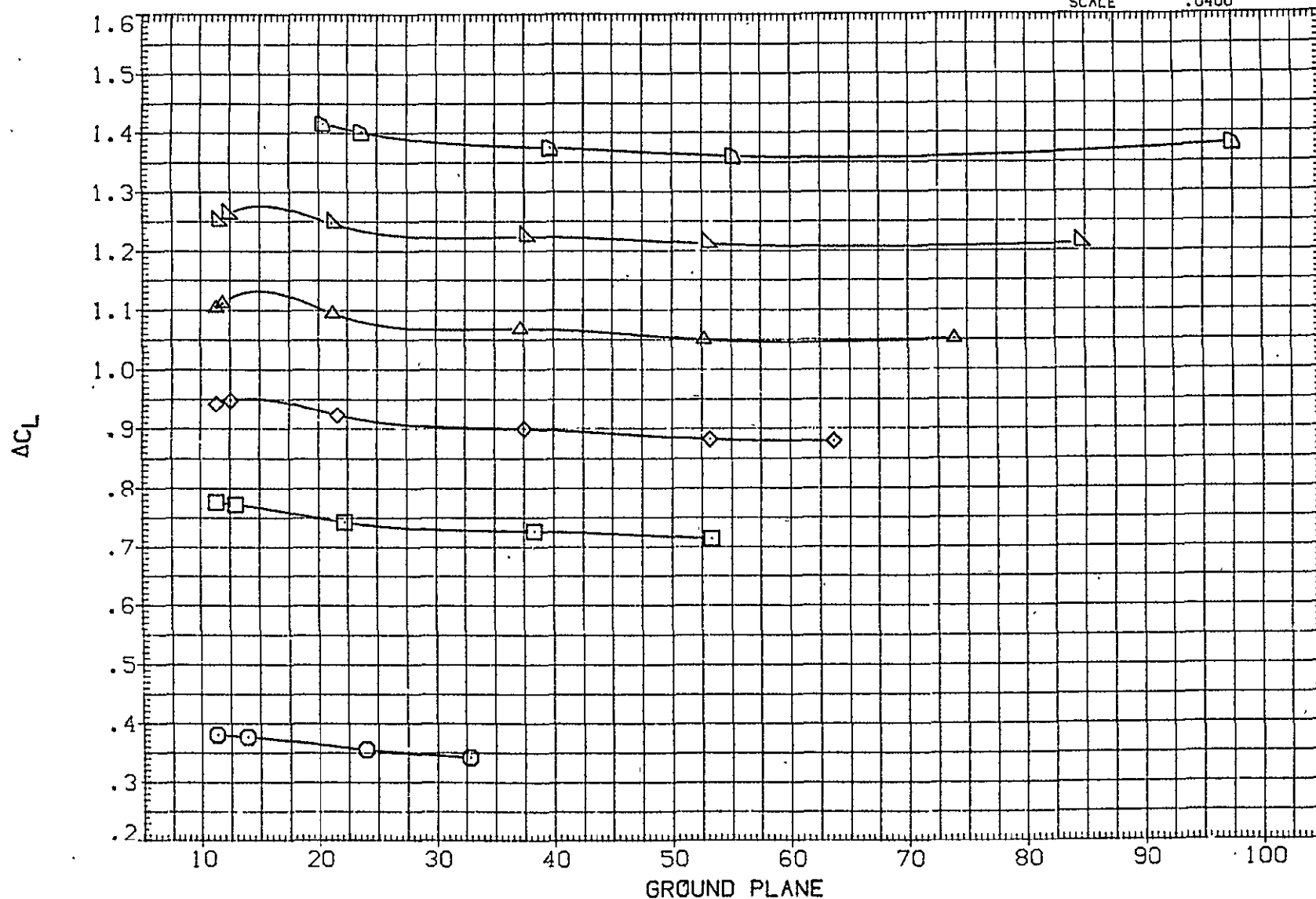


FIG 189 FERRY CON. IN GROUND PROXIMITY, STAB = 2, FLAPS 20, IORB=6, TC ON CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), GP SWEEPS

A)MACH = .15

TA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
JF476)	○	(CA-8) K3.1TS7H15.6.1F20TS40165.3.5	.160	6.000	-11.700	-5.000	SREF	5500.0000	SQ.FT.
JF477)	□	(CA-8) K3.1TS7H15.6.1F20TS40165.3.5	4.122	6.000	-11.700	-5.000	LREF	327.8000	IN.
JF478)	◇	(CA-8) K3.1TS7H15.6.1F20TS40165.3.5	6.123	6.000	-11.700	-5.000	BREF	2348.0000	IN.
JF479)	△	(CA-8) K3.1TS7H15.6.1F20TS40165.3.5	8.107	6.000	-11.700	-5.000	XMRP	1339.9100	IN.XC
JF480)	▽	(CA-8) K3.1TS7H15.6.1F20TS40165.3.5	10.145	6.000	-11.700	-5.000	YMRP	.0000	IN.YC
JF481)	◻	(CA-8) K3.1TS7H15.6.1F20TS40165.3.5	12.153	6.000	-11.700	-5.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

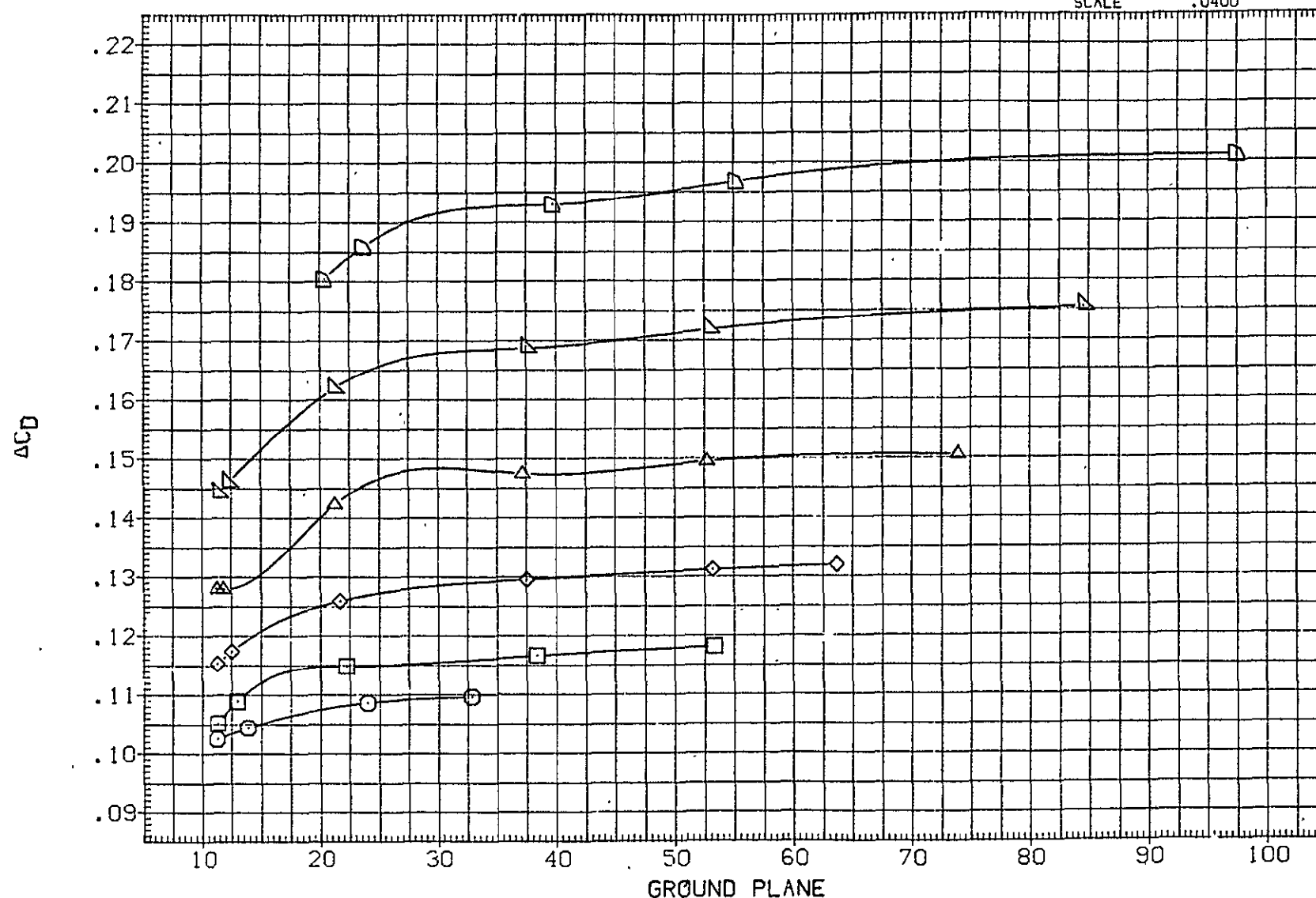


FIG 189 FERRY CON. IN GROUND PROXIMITY. STAB = 2. FLAPS 20. IORB=6. TC ON CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE). GP SWEEPS

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA _W	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(UJF476)	○	(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5	.160	6.000	-11.700	-5.000	SREF	5500.0000	50. FT.
(UJF477)	□	(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5	4.122	6.000	-11.700	-5.000	LREF	327.8000	IN.
(UJF478)	◇	(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5	6.123	6.000	-11.700	-5.000	BREF	2348.0000	IN.
(UJF479)	△	(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5	8.107	6.000	-11.700	-5.000	XMRP	1339.9100	IN. XC
(UJF480)	▽	(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5	10.145	6.000	-11.700	-5.000	YMRP	.0000	IN. YC
(UJF481)	◻	(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5	12.153	6.000	-11.700	-5.000	ZMRP	190.7500	IN. ZC
							SCALE	.0400	

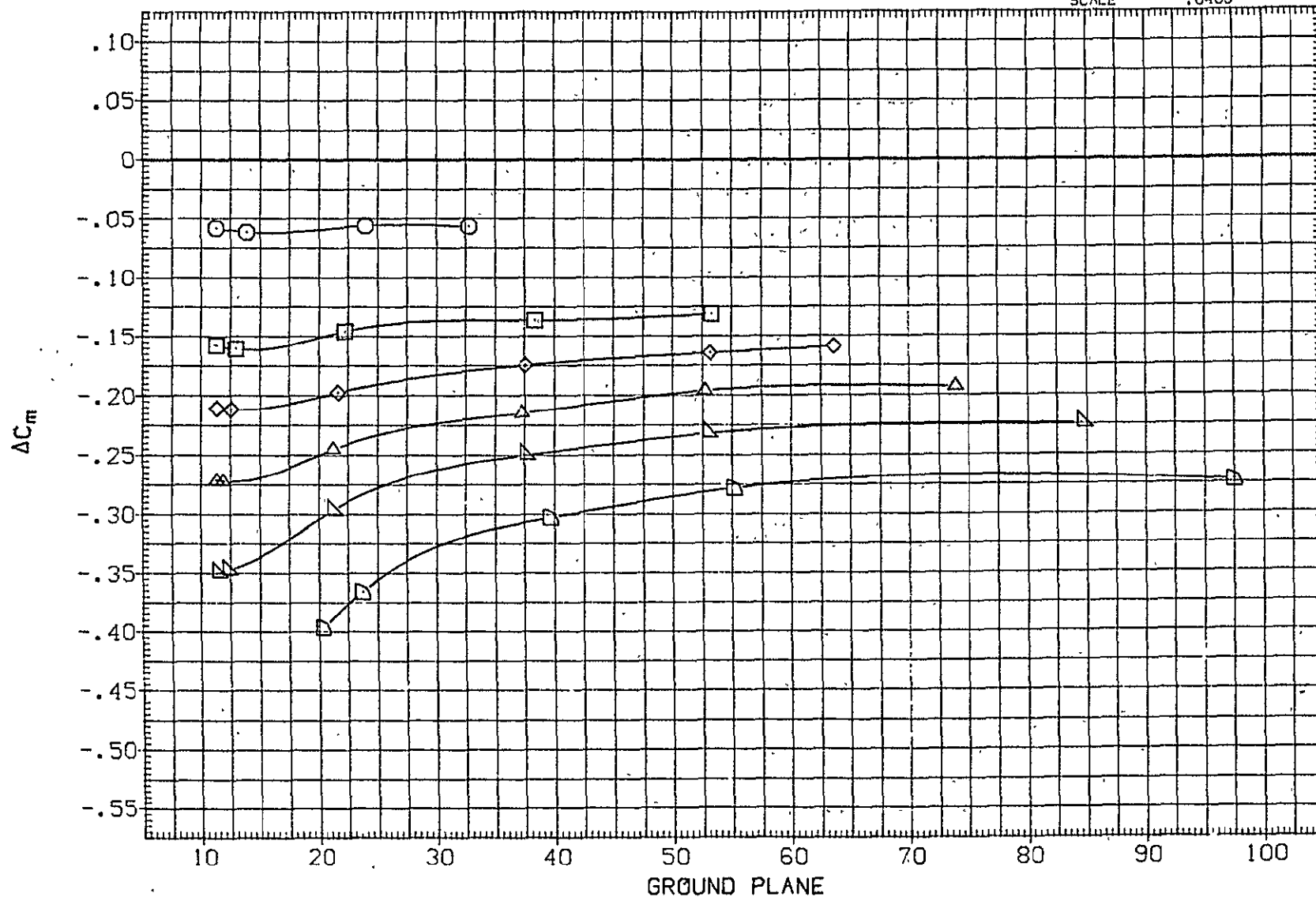


FIG 189 FERRY CON. IN GROUND PROXIMITY, STAB = 2, FLAPS 20, IORB=6, TC ON CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), GP SWEEPS

(A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA W	I ORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(UJF464)	○	(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5	.156	6.000	-11.700	-5.000	SREF	5500.0000	50.FT.
(UJF465)	□	(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5	4.137	6.000	-11.700	-5.000	LREF	327.8000	IN.
(UJF466)	◇	(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5	6.138	6.000	-11.700	-5.000	BREF	2348.0000	IN.
(UJF467)	△	(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5	8.126	6.000	-11.700	-5.000	XM RP	1339.9100	IN.XC
(UJF468)	▽	(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5	10.114	6.000	-11.700	-5.000	YM RP	.0000	IN.YC
(UJF469)	◻	(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5	12.137	6.000	-11.700	-5.000	ZM RP	190.7500	IN.ZC
							SCALE	.0400	

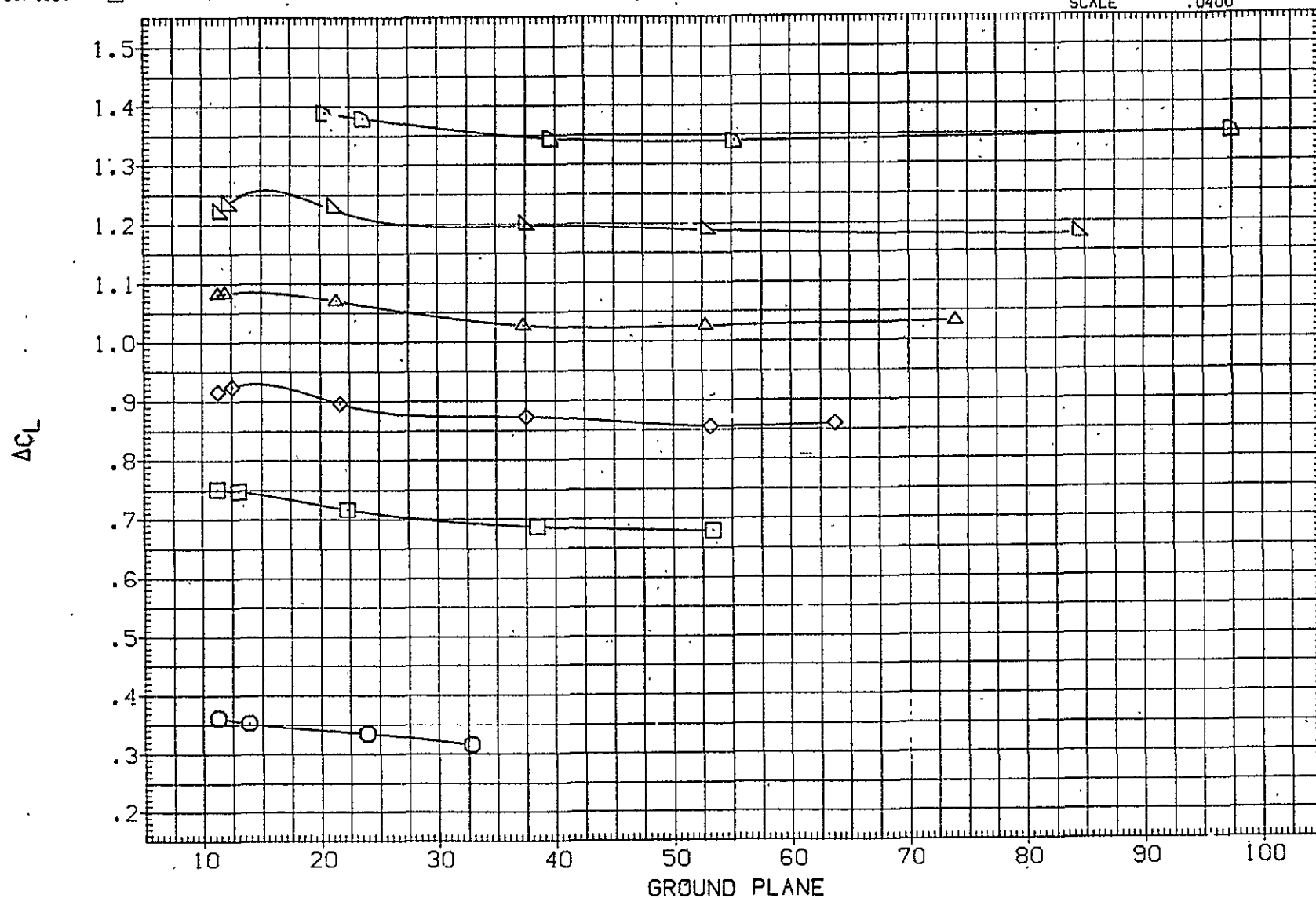


FIG 190 FERRY CON. IN GROUND PROXIMITY, STAB = 0, FLAPS 20, I ORB=6, TC ON CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), GP SWEEPS

(A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA W	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(UJF464)	○	(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5	.156	6.000	-11.7C0	-5.000	SREF	5500.0000	SQ.FT.
(UJF465)	□	(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5	4.137	6.000	-11.7C0	-5.000	LREF	327.8000	IN.
(UJF466)	◇	(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5	6.138	6.000	-11.7C0	-5.000	BREF	2348.0000	IN.
(UJF467)	△	(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5	8.126	6.000	-11.7C0	-5.000	XMRP	1339.9100	IN.XC
(UJF468)	▽	(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5	10.114	6.000	-11.7C0	-5.000	YMRP	.0000	IN.YC
(UJF469)	◻	(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5	12.137	6.000	-11.7C0	-5.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

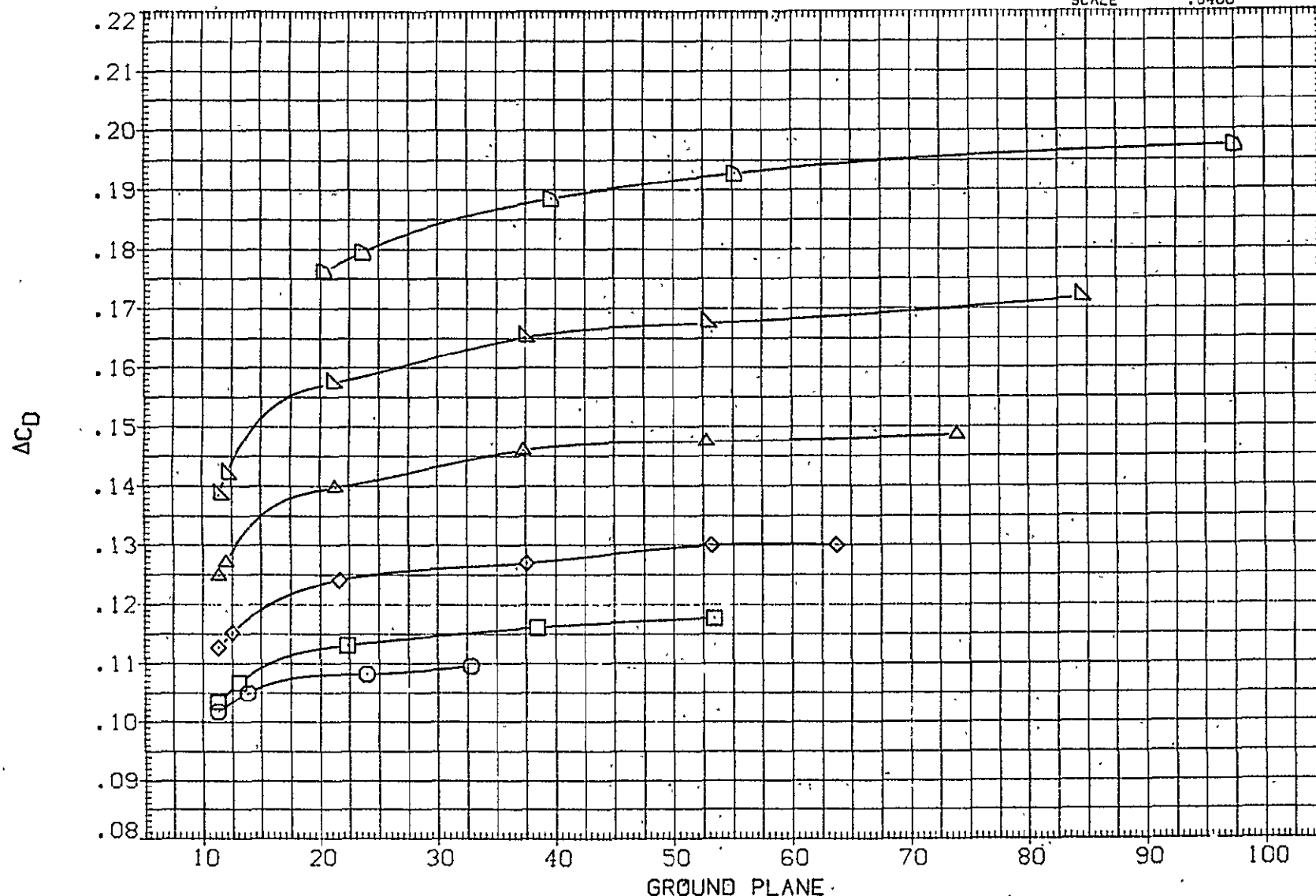


FIG 190 FERRY CON. IN GROUND PROXIMITY. STAB = 0. FLAPS 20. IORB=6. TC ON CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(UJF464)	○	(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5	.156	6.000	-11.700	-5.000	SREF	5500.0000	50.FT.
(UJF465)	□	(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5	4.137	6.000	-11.700	-5.000	LREF	327.8000	IN.
(UJF466)	◇	(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5	6.138	6.000	-11.700	-5.000	BREF	2348.0000	IN.
(UJF467)	△	(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5	8.126	6.000	-11.700	-5.000	XMRP	1339.9100	IN.XC
(UJF468)	▽	(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5	10.114	6.000	-11.700	-5.000	YMRP	.0000	IN.YC
(UJF469)	◁	(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5	12.137	6.000	-11.700	-5.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

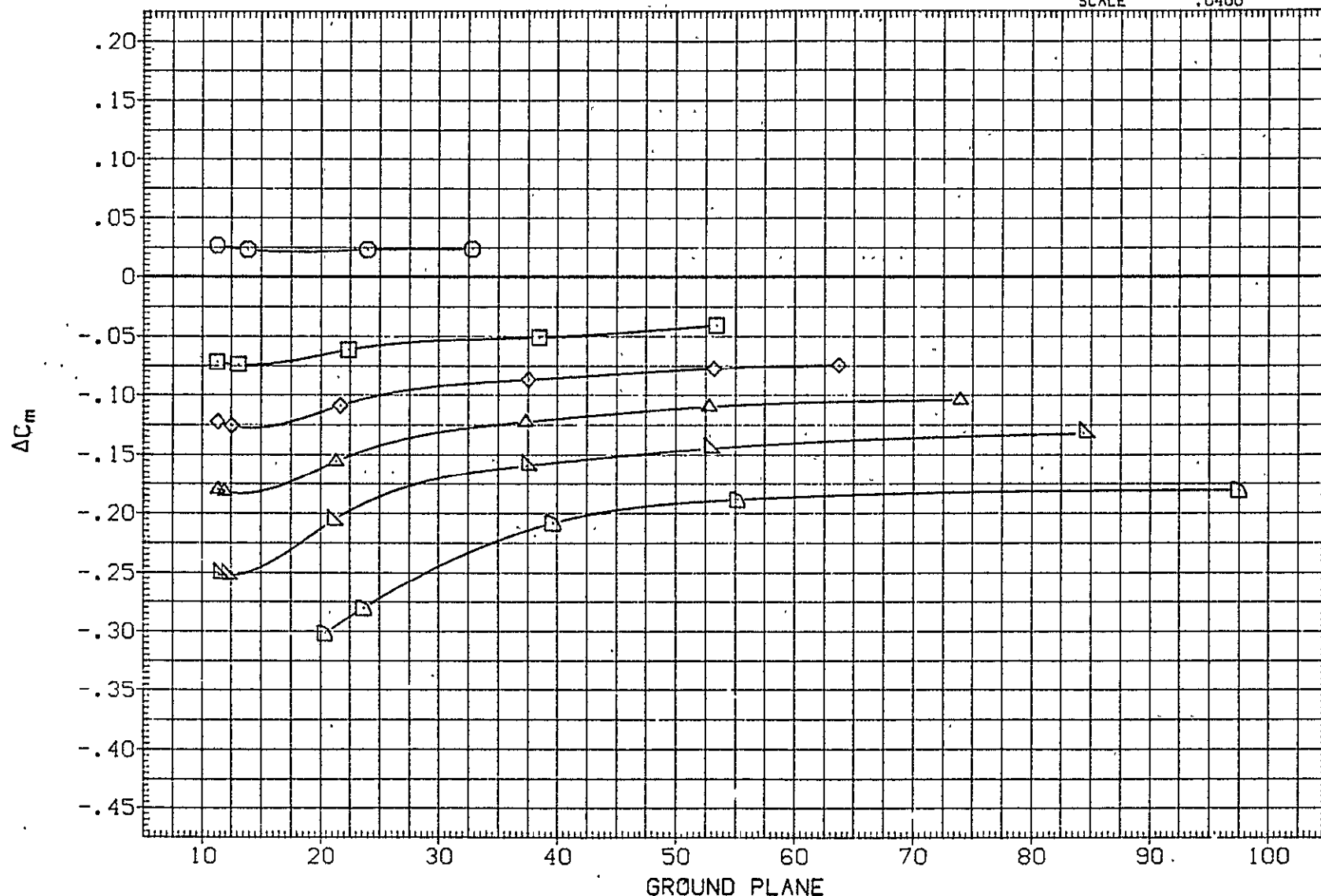


FIG 190 FERRY CON. IN GROUND PROXIMITY, STAB = 0, FLAPS 20, IORB=6, TC ON CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), GP SWEEPS

ALMACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA _W	ICRB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(UJF470)	○	(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5	.211	6.000	-11.700	-5.000	SREF	5500.0000	SQ.FT.
(UJF471)	□	(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5	4.154	6.000	-11.700	-5.000	LREF	327.8000	IN.
(UJF472)	◇	(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5	6.134	6.000	-11.700	-5.000	BREF	2348.0000	IN.
(UJF473)	△	(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5	8.145	6.000	-11.700	-5.000	XMRP	1339.9100	IN.XC
(UJF474)	▽	(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5	10.110	6.000	-11.700	-5.000	YMRP	.0000	IN.YC
(UJF475)	◻	(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5	12.143	6.000	-11.700	-5.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

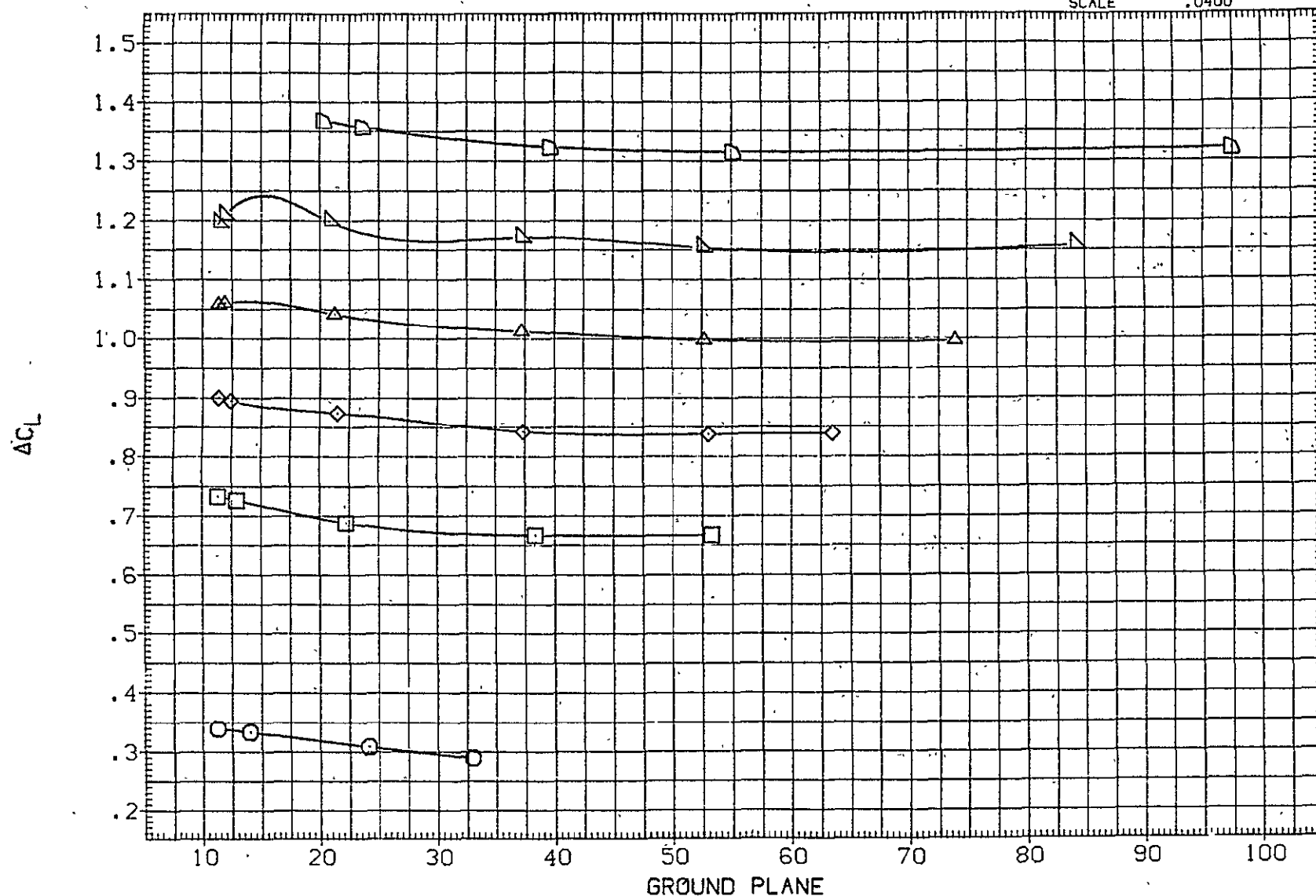


FIG 191 FERRY CON. IN GROUND PROXIMITY, STAB = -2, FLAPS 20, ICRB=6, TC ON CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAV	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
UJF470)	○	(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5	.211	6.000	-11.703	-5.000	SREF	5500.0000	50. FT.
UJF471)	□	(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5	4.154	6.000	-11.703	-5.000	LREF	327.8000	IN.
UJF472)	◇	(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5	6.134	6.000	-11.703	-5.000	BREF	2348.0000	IN.
UJF473)	△	(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5	8.145	6.000	-11.703	-5.000	XMRP	1339.9100	IN. XC
UJF474)	▽	(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5	10.110	6.000	-11.703	-5.000	YMRP	.0000	IN. YC
UJF475)	◻	(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5	12.143	6.000	-11.703	-5.000	ZMRP	190.7500	IN. ZC
							SCALE	.0400	

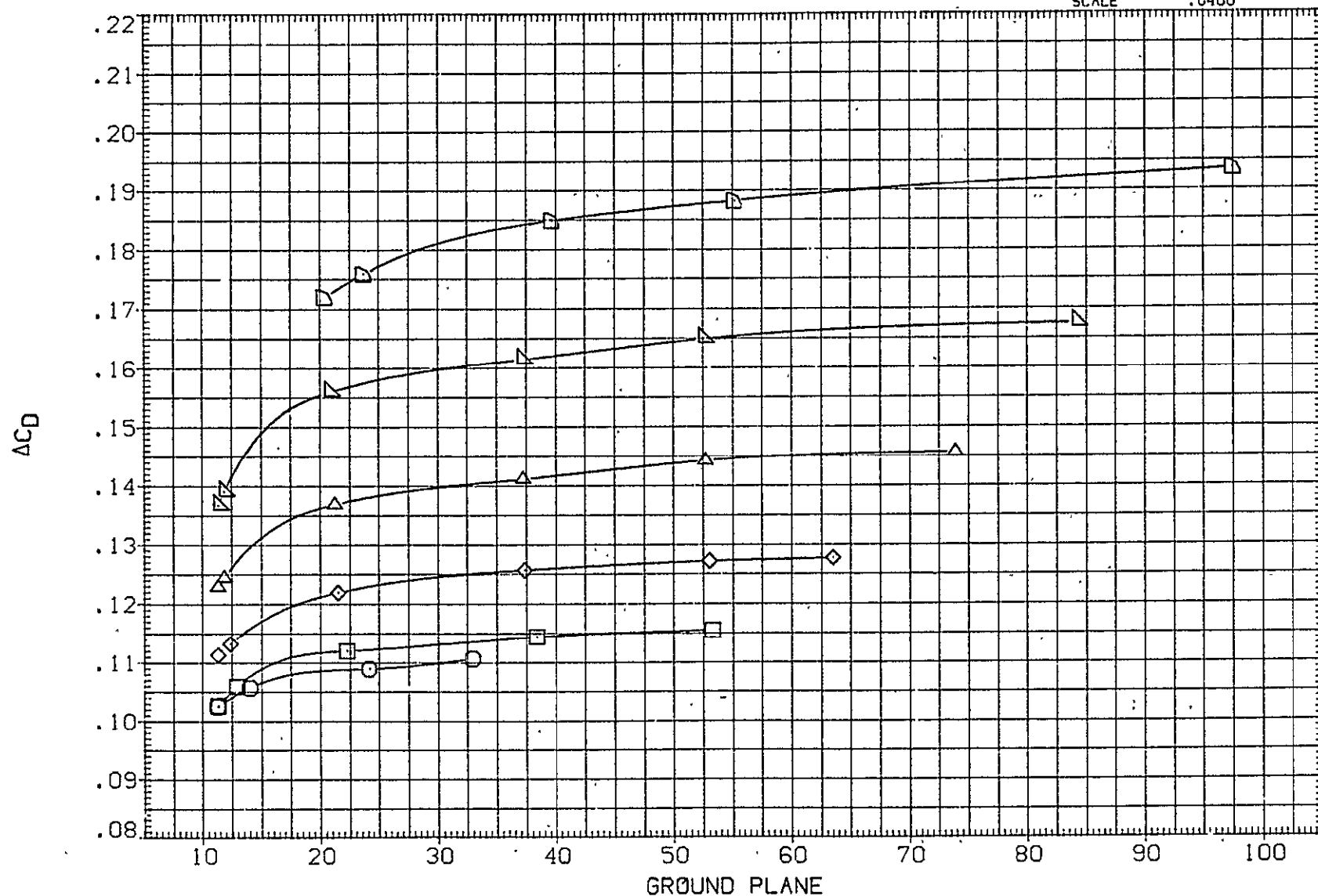


FIG 191 FERRY CON. IN GROUND PROXIMITY, STAB = -2, FLAPS 20, IORB=6, TC ON CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), GP SWEEPS

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	IOR3	BDFLAP	EI EVON	REFERENCE INFORMATION		
(UJF470)	○	(CA-8) K3.1TS7H15.6.1F20TS40165.3.5	.211	6.000	-11.700	-5.000	SREF	5500.0000	50.FT.
(UJF471)	□	(CA-8) K3.1TS7H15.6.1F20TS40165.3.5	4.154	6.000	-11.700	-5.000	LREF	327.8000	IN.
(UJF472)	◇	(CA-8) K3.1TS7H15.6.1F20TS40165.3.5	6.134	6.000	-11.700	-5.000	BREF	2348.0000	IN.
(UJF473)	△	(CA-8) K3.1TS7H15.6.1F20TS40165.3.5	8.145	6.000	-11.700	-5.000	XMRP	1339.9100	IN.XC
(UJF474)	▽	(CA-8) K3.1TS7H15.6.1F20TS40165.3.5	10.110	6.000	-11.700	-5.000	YMRP	.0000	IN.YC
(UJF475)	▷	(CA-8) K3.1TS7H15.6.1F20TS40165.3.5	12.143	6.000	-11.700	-5.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

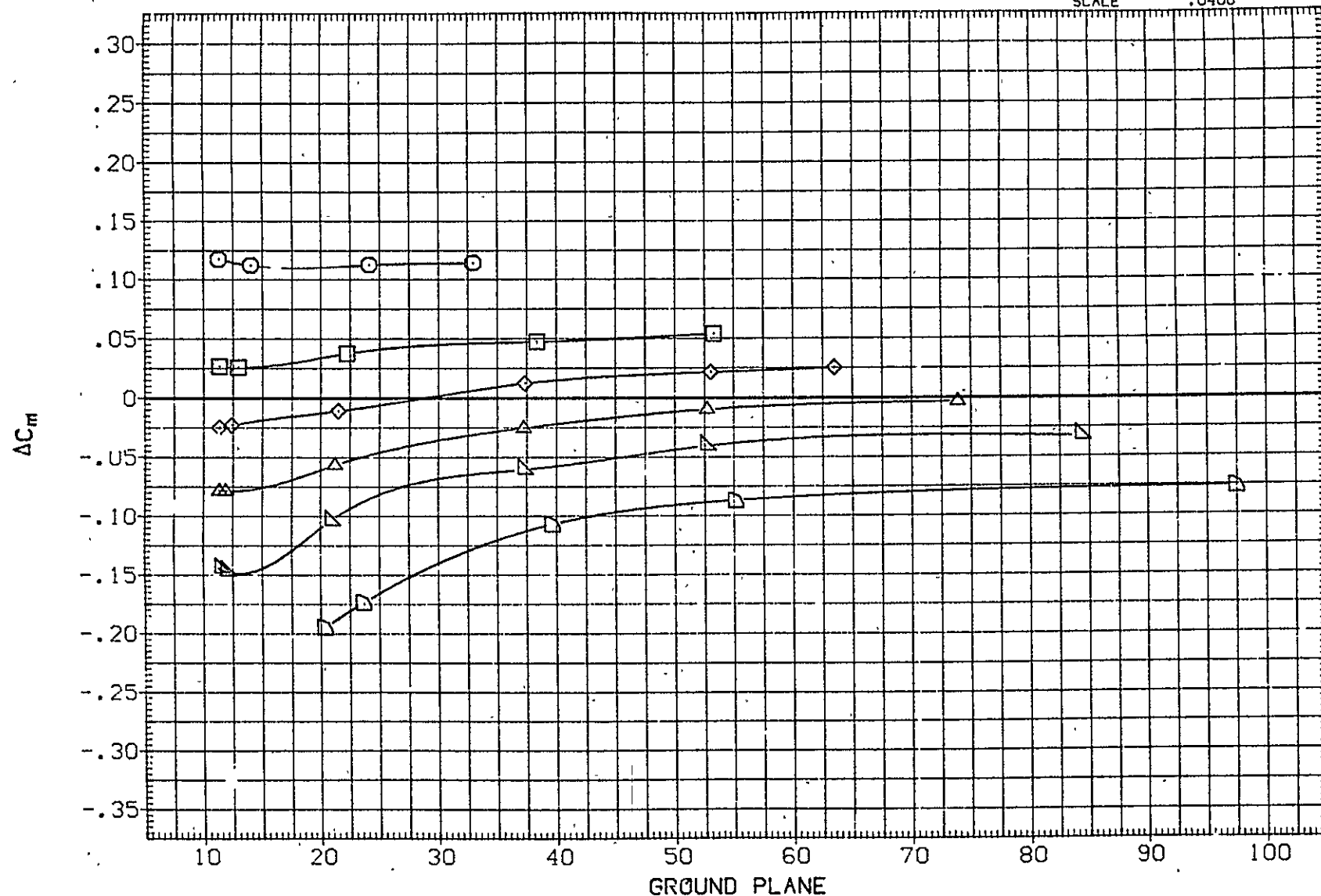


FIG 191 FERRY CON. IN GROUND PROXIMITY, STAB = -2, FLAPS 20, IORB=6, TC ON CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA _W	I _{ORB}	B _D FLAP	ELEVON	REFERENCE INFORMATION		
(UJF488)	○	(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5	.166	6.000	-11.700	-5.000	SREF	5500.0000	50.FT.
(UJF489)	□	(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5	4.115	6.000	-11.700	-5.000	LREF	327.8000	IN.
(UJF490)	◇	(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5	6.174	6.000	-11.700	-5.000	BREF	2348.0000	IN.
(UJF491)	△	(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5	8.145	6.000	-11.700	-5.000	XMRP	1339.9100	IN.XC
(UJF492)	▽	(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5	10.122	6.000	-11.700	-5.000	YMRP	.0000	IN.YC
(UJF493)	◻	(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5	12.184	6.000	-11.700	-5.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

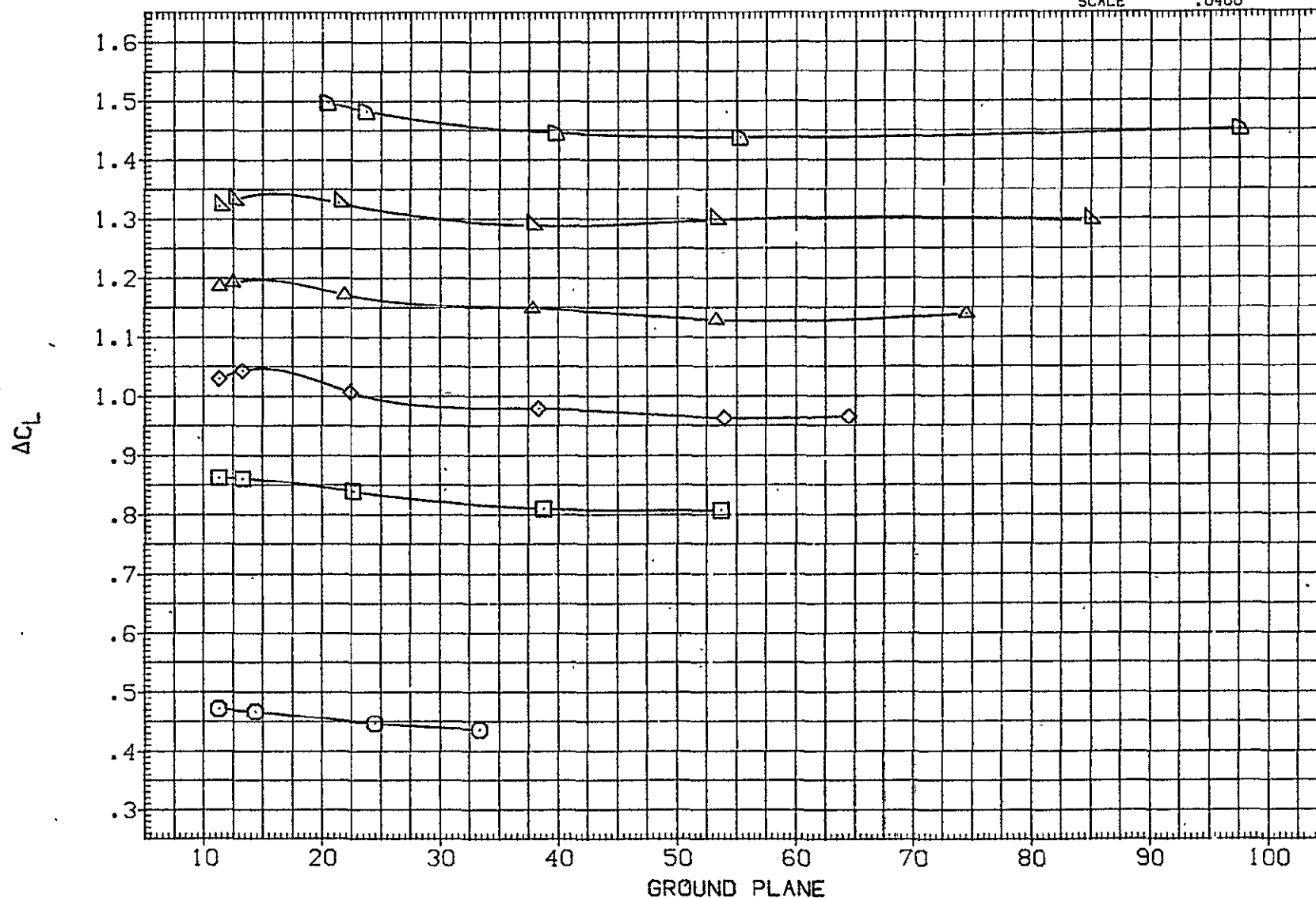


FIG 192 FERRY CON. IN GROUND PROXIMITY. STAB = 0. ELEVTR= 17. I_{ORB}=6. TC ON CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE). GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	IORB	BDCLAP	ELEVON	REFERENCE INFORMATION		
(UJF488)	○	(CA-8) K3.1TS7H15.6.1F20TS40165.3.5	.166	6.000	-11.700	-5.000	SREF	5500.0000	SQ.FT.
(UJF489)	◇	(CA-8) K3.1TS7H15.6.1F20TS40165.3.5	4.115	6.000	-11.700	-5.000	LREF	327.8000	IN.
(UJF490)	◇	(CA-8) K3.1TS7H15.6.1F20TS40165.3.5	6.174	6.000	-11.700	-5.000	BREF	2348.0000	IN.
(UJF491)	△	(CA-8) K3.1TS7H15.6.1F20TS40165.3.5	8.145	6.000	-11.700	-5.000	XMRP	1339.9100	IN.XC
(UJF492)	△	(CA-8) K3.1TS7H15.6.1F20TS40165.3.5	10.122	6.000	-11.700	-5.000	YMRP	.0000	IN.YC
(UJF493)	△	(CA-8) K3.1TS7H15.6.1F20TS40165.3.5	12.184	6.000	-11.700	-5.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

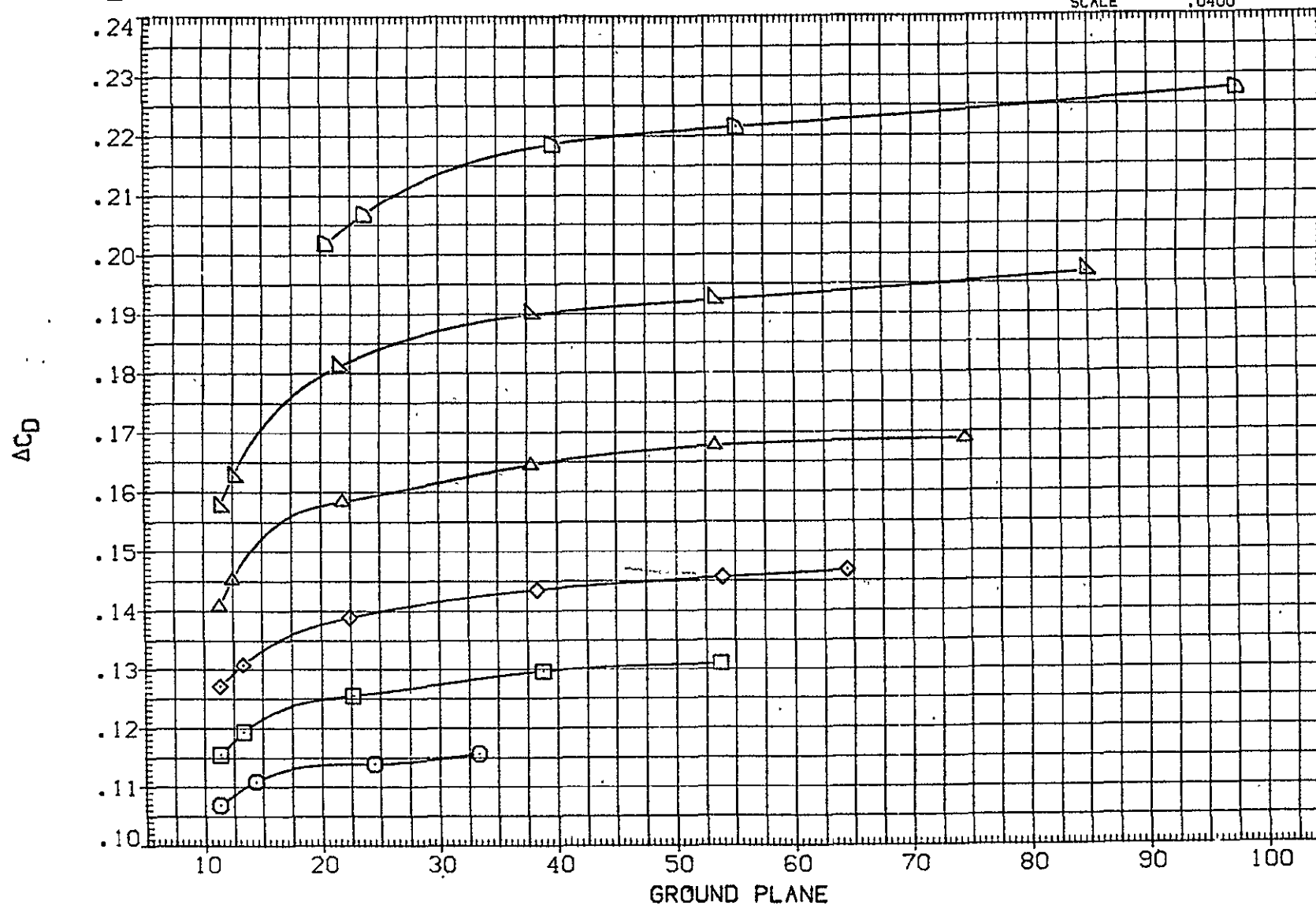


FIG 192 FERRY CON. IN GROUND PROXIMITY, STAB = 0, ELEVTR= 17, IORB=6, TC ON CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(UJF488)	○	(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5	.166	6.000	-11.700	-5.000	SREF	5500.0000	50. FT.
(UJF489)	□	(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5	4.115	6.000	-11.700	-5.000	LREF	327.8000	IN.
(UJF490)	◇	(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5	6.174	6.000	-11.700	-5.000	BREF	2348.0000	IN.
(UJF491)	△	(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5	8.145	6.000	-11.700	-5.000	XMRP	1339.9100	IN. XC
(UJF492)	▽	(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5	10.122	6.000	-11.700	-5.000	YMRP	.0000	IN. YC
(UJF493)	◁	(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5	12.184	6.000	-11.700	-5.000	ZMRP	190.7500	IN. ZC
							SCALE	.0400	

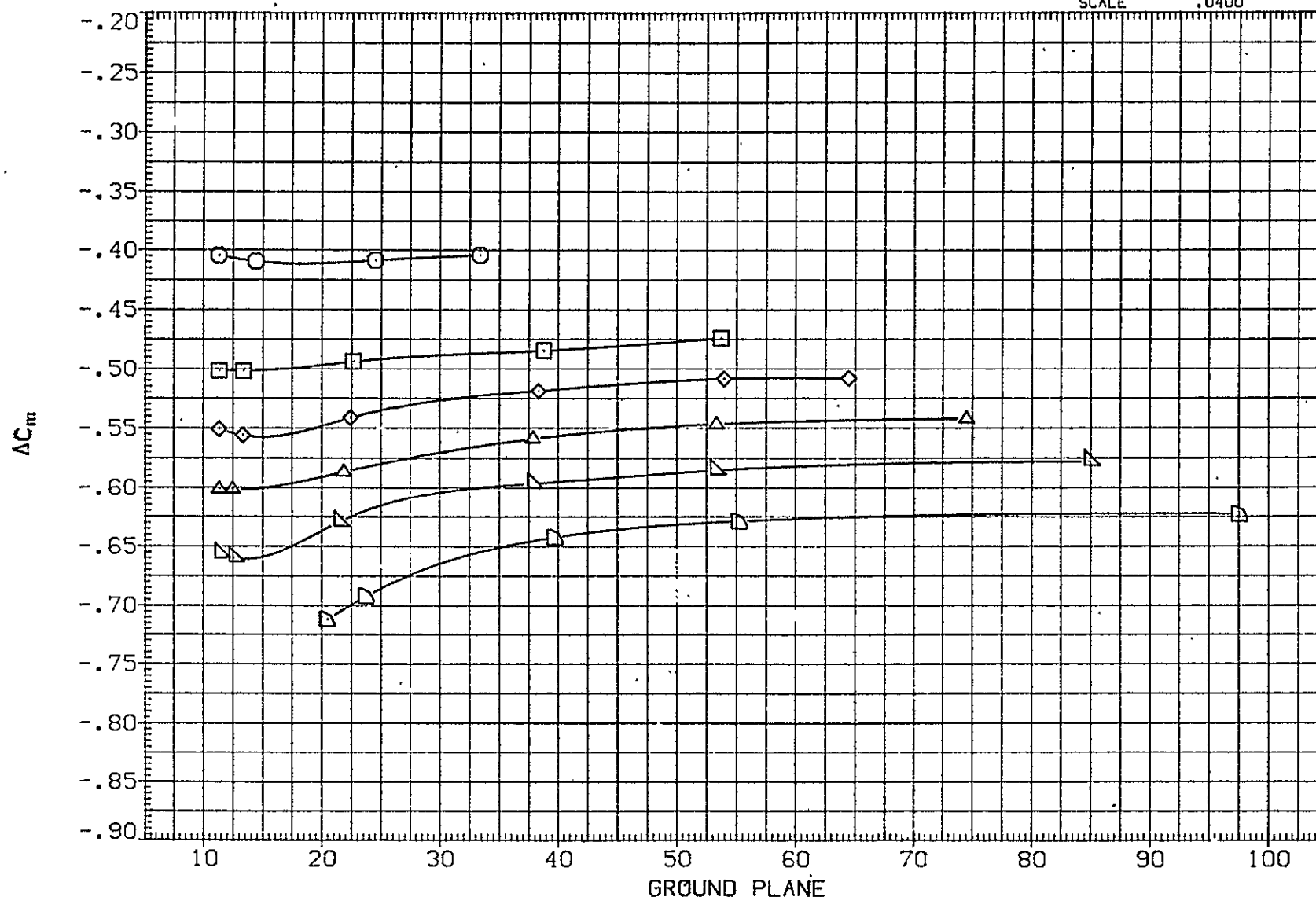


FIG 192 FERRY CON. IN GROUND PROXIMITY, STAB = 0, ELEVTR= 17, IORB=6, TC ON CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(UJF494)	○	(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5	.161	6.000	-11.700	-5.000	SREF	5500.0000	SQ.FT.
(UJF495)	□	(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5	4.131	6.000	-11.700	-5.000	LREF	327.8000	IN.
(UJF496)	◇	(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5	6.129	6.000	-11.700	-5.000	BREF	2348.0000	IN.
(UJF497)	△	(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5	8.125	6.000	-11.700	-5.000	XMRP	1339.9100	IN.XC
(UJF498)	▽	(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5	10.133	6.000	-11.700	-5.000	YMRP	.0000	IN.YC
(UJF499)	◻	(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5	12.146	6.000	-11.700	-5.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

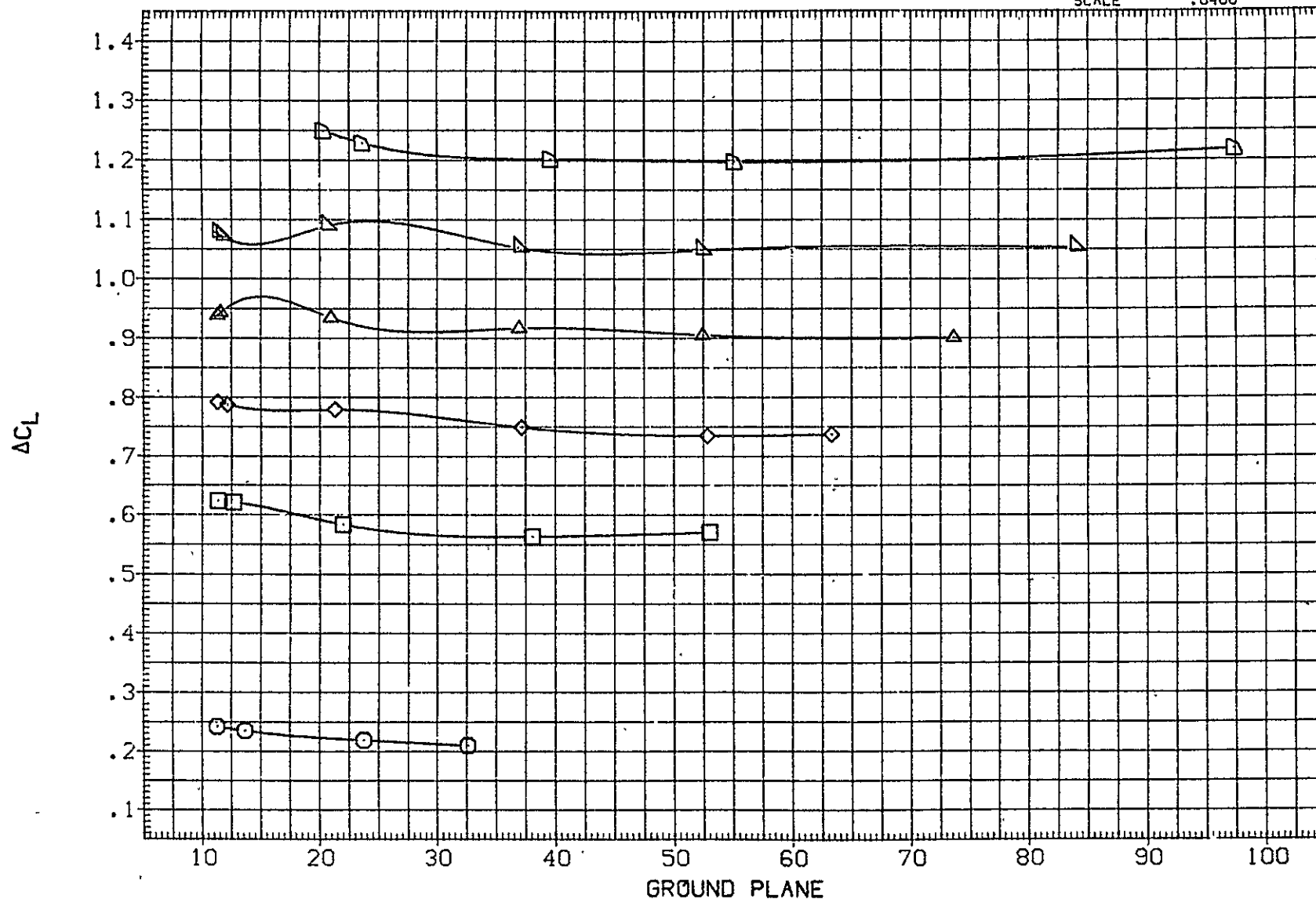


FIG 193 FERRY CON. IN GROUND PROXIMITY, STAB = 0, ELEVTR=-23, IORB=6, TC ON CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ICRB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(UJF494)	○	(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5	.161	6.000	-11.700	-5.000	SREF	5500.0000	50. FT.
(UJF495)	□	(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5	4.131	6.000	-11.700	-5.000	LREF	327.8000	IN.
(UJF496)	×	(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5	6.129	6.000	-11.700	-5.000	BREF	2348.0000	IN.
(UJF497)	△	(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5	8.125	6.000	-11.700	-5.000	XMRP	1339.9100	IN. XC
(UJF498)	▽	(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5	10.133	6.000	-11.700	-5.000	YMRP	.0000	IN. YC
(UJF499)	◇	(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5	12.146	6.000	-11.700	-5.000	ZMRP	190.7500	IN. ZC
							SCALE	.0400	

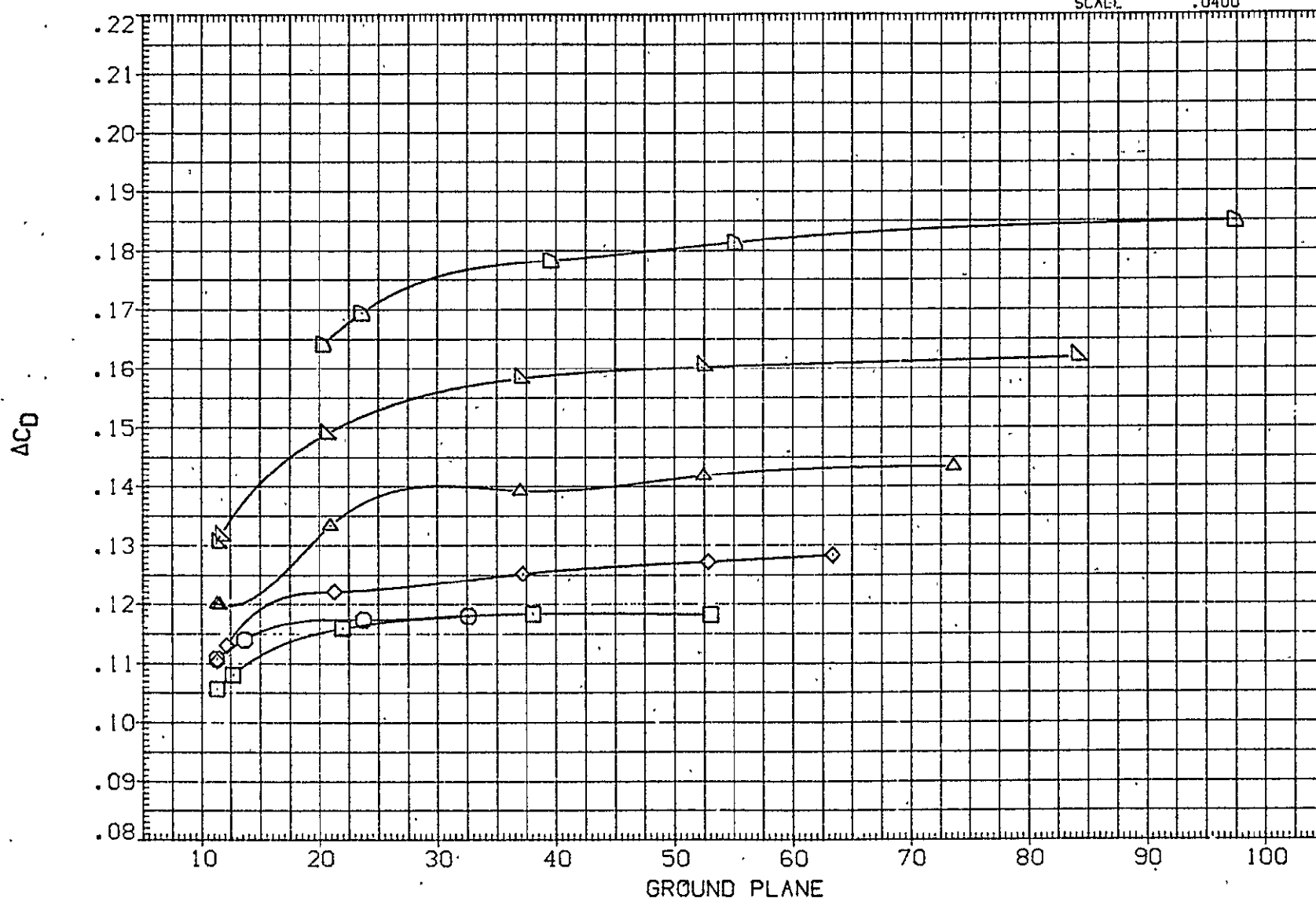


FIG 193 FERRY CON. IN GROUND PROXIMITY, STAB = 0, ELEVTR=-23, ICRB=6, TC ON CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), GP SWEEPS

(A)MACH. = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(UJF494)	○	(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5	.161	6.000	-11.700	-5.000	SREF	5500.0000	50.FT.
(UJF495)	□	(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5	4.131	6.000	-11.700	-5.000	LREF	327.8000	IN.
(UJF496)	◇	(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5	6.129	6.000	-11.700	-5.000	BREF	2348.0000	IN.
(UJF497)	△	(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5	8.125	6.000	-11.700	-5.000	XMRP	1339.9100	IN.XC
(UJF498)	▽	(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5	10.133	6.000	-11.700	-5.000	YMRP	.0000	IN.YC
(UJF499)	◻	(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5	12.146	6.000	-11.700	-5.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

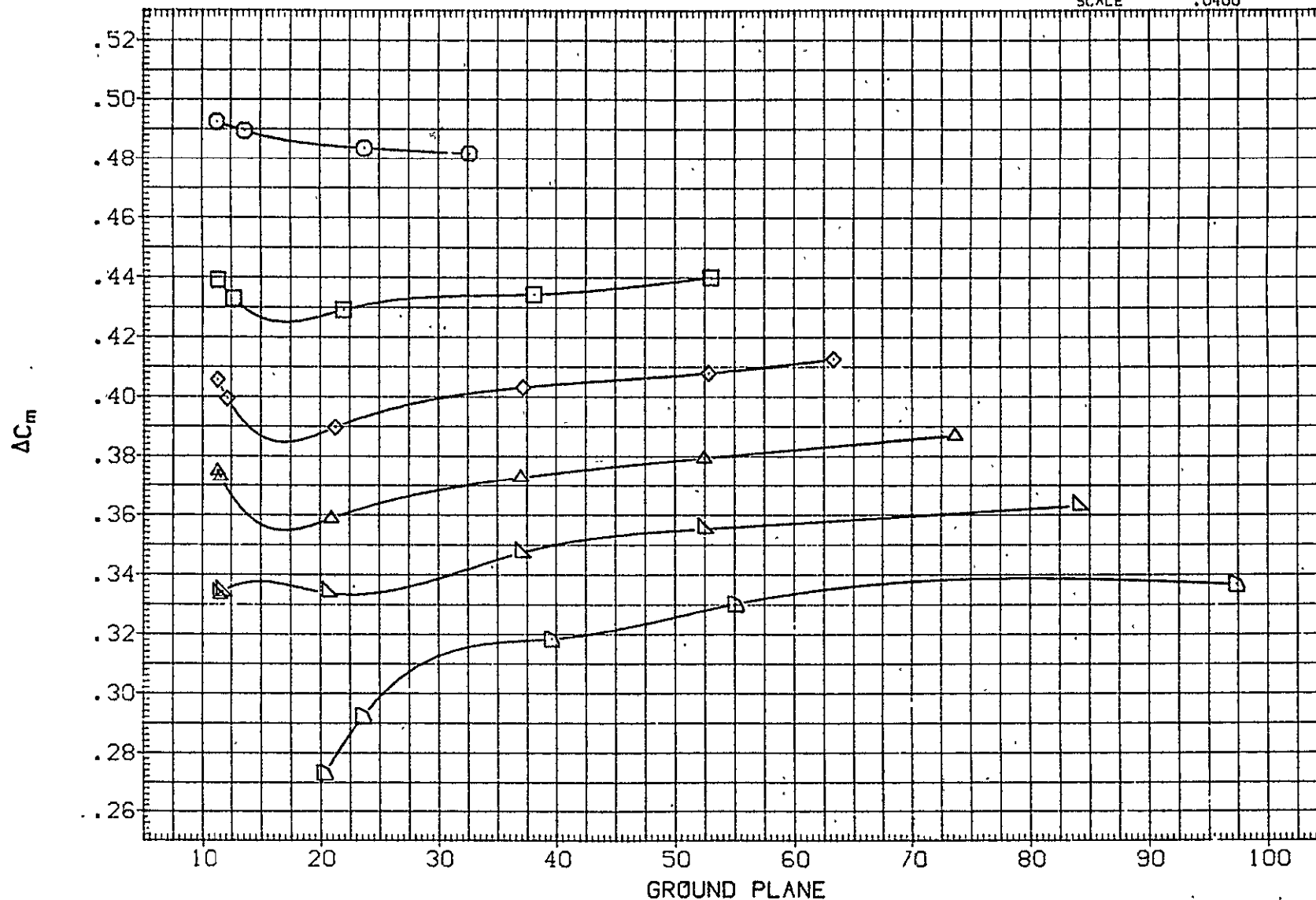


FIG.193 FERRY CON. IN GROUND PROXIMITY, STAB = 0, ELEVTR=-23, IORB=6, TC ON. CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(UJF351)	□	(CA-8) K3.1TS7 F10TS40265.3.5	.239	6.000	.000	-5.000	SREF	5500.0000	SQ.FT.
(UJF352)	◇	(CA-8) K3.1TS7 F10TS40265.3.5	4.108	6.000	.000	-5.000	LREF	327.8000	IN.
(UJF353)	×	(CA-8) K3.1TS7 F10TS40265.3.5	6.177	6.000	.000	-5.000	BREF	2348.0000	IN.
(UJF354)	△	(CA-8) K3.1TS7 F10TS40265.3.5	8.175	6.000	.000	-5.000	XMRP	1339.9100	IN.XC
(UJF355)	▽	(CA-8) K3.1TS7 F10TS40265.3.5	10.215	6.000	.000	-5.000	YMRP	.0000	IN.YC
(UJF356)	◻	(CA-8) K3.1TS7 F10TS40265.3.5	12.152	6.000	.000	-5.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

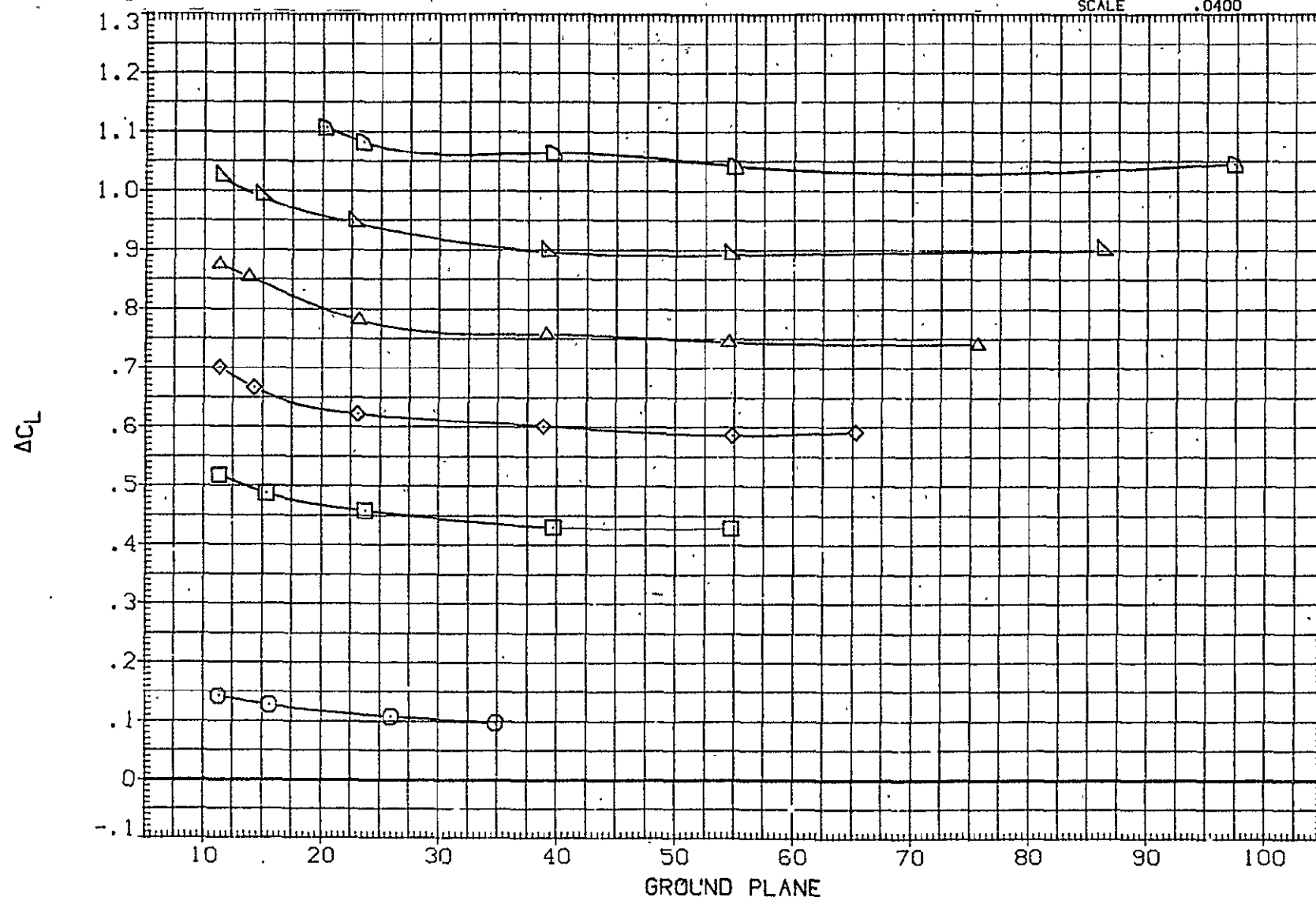


FIG 194 ALT CONFIG IN GROUND PROXIMITY. HORIZ OFF. FLAPS 10. IORB=6. TC OFF CARR. IN PRESENCE OF ORB. (MAIN BALANCE-ORB. BALANCE). GP SWEEPS. W/SUCTION PUMP

(A) MACH

= .15

DATA SET, SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(UJF351)	(CA-8) K3.1TS7 F10TS40265.3.5	.239	6.000	.000	-5.000	SREF	5500.0000	50.FT.
(UJF352)	(CA-8) K3.1TS7 F10TS40265.3.5	4.108	6.000	.000	-5.000	LREF	327.8000	IN.
(UJF353)	(CA-8) K3.1TS7 F10TS40265.3.5	6.177	6.000	.000	-5.000	BREF	2348.0000	IN.
(UJF354)	(CA-8) K3.1TS7 F10TS40265.3.5	8.175	6.000	.000	-5.000	XMRP	1339.9100	IN.XC
(UJF355)	(CA-8) K3.1TS7 F10TS40265.3.5	10.215	6.000	.000	-5.000	YMRP	.0000	IN.YC
(UJF356)	(CA-8) K3.1TS7 F10TS40265.3.5	12.152	6.000	.000	-5.000	ZMRP	190.7500	IN.ZC
						SCALE	.0400	

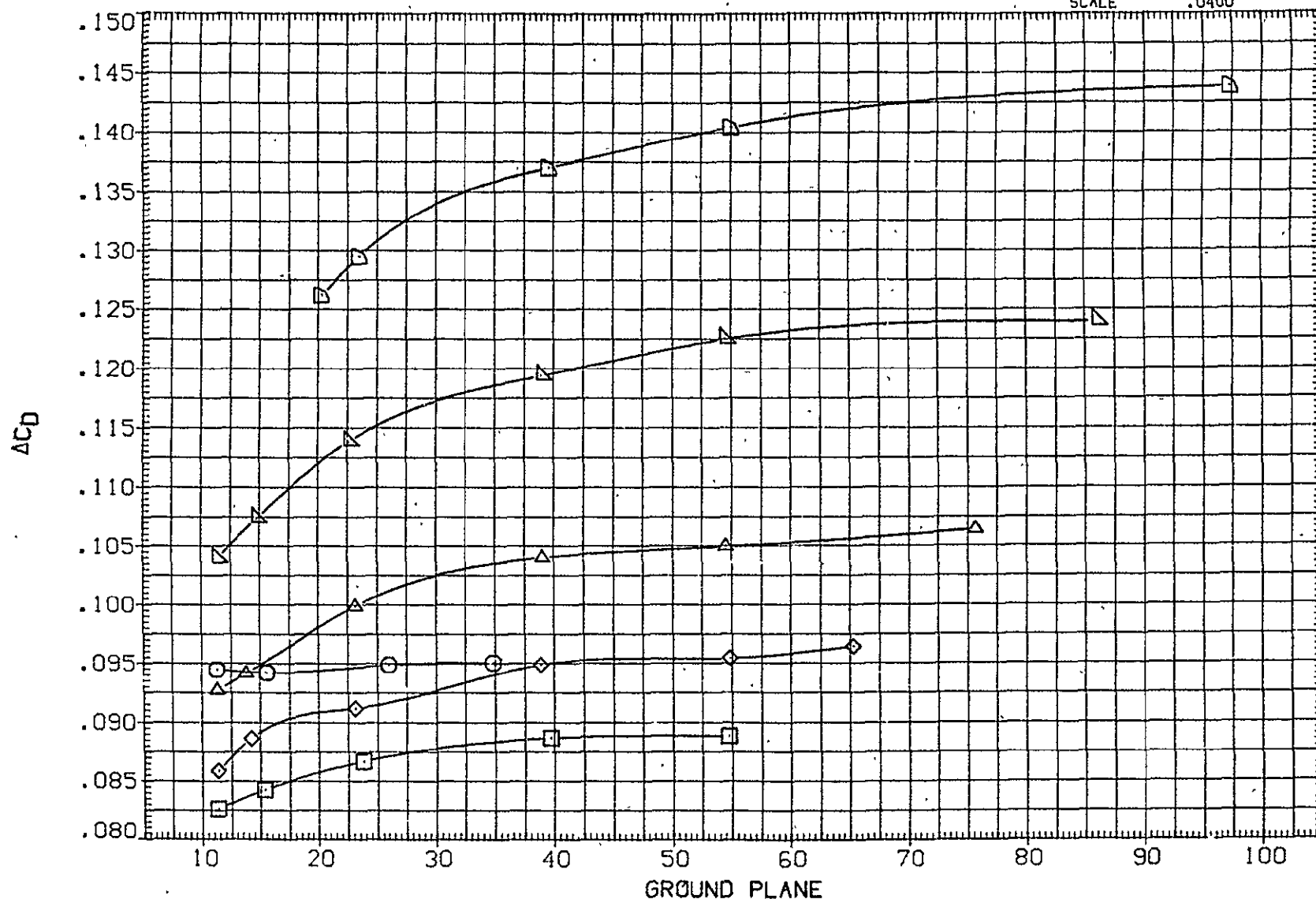


FIG 194 ALT CONFIG IN GROUND PROXIMITY, HORIZ OFF, FLAPS 10, IORB=6, TC OFF CARR. IN PRESENCE OF ORB. (MAIN BALANCE-ORB. BALANCE). GP SWEEPS, W/SUCTION PUMP

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA _W	IORB	BOFLAP	ELEVON	REFERENCE INFORMATION		
(UJF351)	○	(CA-8) K3.1TS7 F10TS402G5.3.5	.239	6.000	.000	-5.000	SREF	5500.0000	SQ.FT.
(UJF352)	□	(CA-8) K3.1TS7 F10TS402G5.3.5	4.108	6.000	.000	-5.000	LREF	327.8000	IN.
(UJF353)	◇	(CA-8) K3.1TS7 F10TS402G5.3.5	6.177	6.000	.000	-5.000	BREF	2348.0000	IN.
(UJF354)	△	(CA-8) K3.1TS7 F10TS402G5.3.5	8.175	6.000	.000	-5.000	XMRP	1339.9100	IN.XC
(UJF355)	▽	(CA-8) K3.1TS7 F10TS402G5.3.5	10.215	6.000	.000	-5.000	YMRP	.0000	IN.YC
(UJF356)	◻	(CA-8) K3.1TS7 F10TS402G5.3.5	12.152	6.000	.000	-5.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

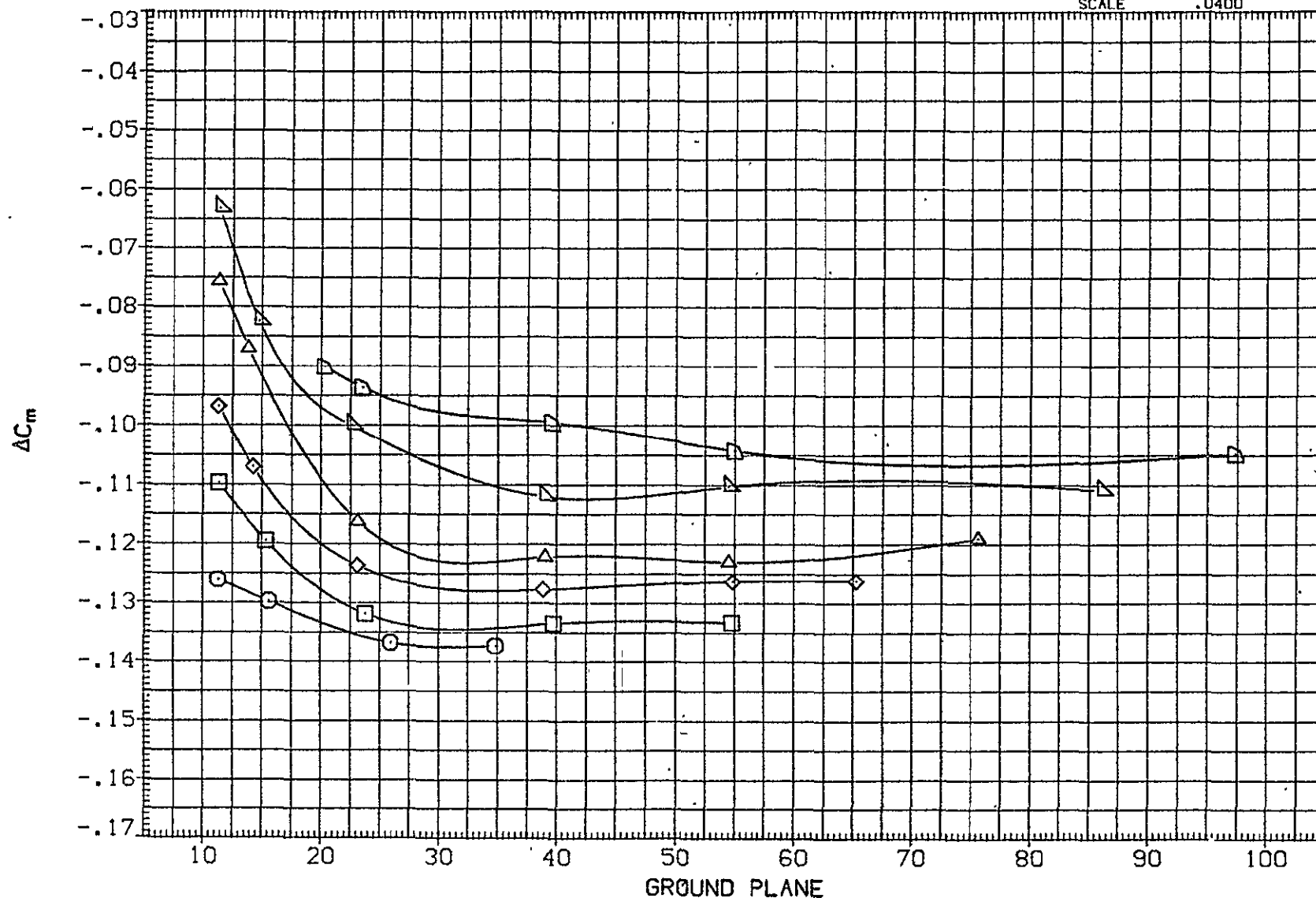


FIG 194 ALT CONFIG IN GROUND PROXIMITY, HORIZ OFF, FLAPS 10, IORB=6, TC OFF
 CARR. IN PRESENCE OF ORB. (MAIN BALANCE-ORB. BALANCE), GP SWEEPS, W/SUCTION PUMP
 (A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(UJF345)	□	(CA-8) K3.1TS7H15.6.1F1OTS402G5.3.5	.142	6.000	.000	-5.000	SREF	5500.0000	50.FT.
(UJF346)	◇	(CA-8) K3.1TS7H15.6.1F1OTS402G5.3.5	4.102	6.000	.000	-5.000	LREF	327.8000	IN.
(UJF347)	△	(CA-8) K3.1TS7H15.6.1F1OTS402G5.3.5	6.145	6.000	.000	-5.000	BREF	2348.0000	IN.
(UJF348)	▽	(CA-8) K3.1TS7H15.6.1F1OTS402G5.3.5	8.104	6.000	.000	-5.000	XMRP	1339.9100	IN.XC
(UJF349)	△	(CA-8) K3.1TS7H15.6.1F1OTS402G5.3.5	10.197	6.000	.000	-5.000	YMRP	.0000	IN.YC
(UJF350)	□	(CA-8) K3.1TS7H15.6.1F1OTS402G5.3.5	12.193	6.000	.000	-5.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

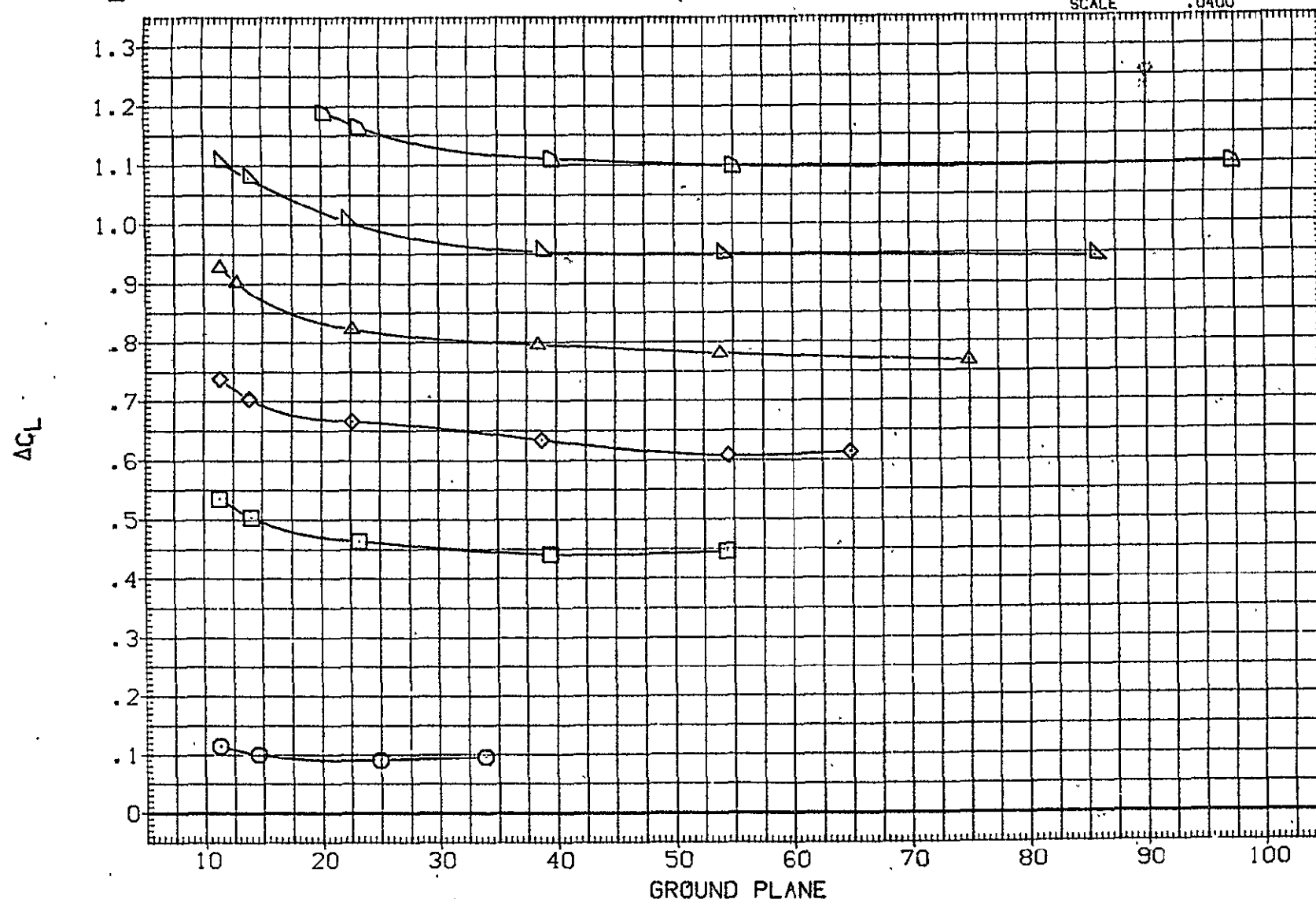


FIG 195 ALT CONFIG IN GROUND PROXIMITY, STAB = 4, FLAPS 10, IORB=6, TC OFF CARR. IN PRESENCE OF ORB. (MAIN BALANCE-ORB. BALANCE), GP SWEEPS, W/SUCTION PUMP

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA W	IORB	BD FLAP	ELEVON	REFERENCE INFORMATION		
(UJF345)	□	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	.142	6.000	.000	-5.000	SREF	5500.0000	50. FT.
(UJF346)	◇	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	4.102	6.000	.000	-5.000	LREF	327.8000	IN.
(UJF347)	◇	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	6.145	6.000	.000	-5.000	BREF	2348.0000	IN.
(UJF348)	△	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	8.104	6.000	.000	-5.000	XMRP	1339.9100	IN. XC
(UJF349)	△	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	10.197	6.000	.000	-5.000	YMRP	.0000	IN. YC
(UJF350)	△	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	12.193	6.000	.000	-5.000	ZMRP	190.7500	IN. ZC
							SCALE	.0400	

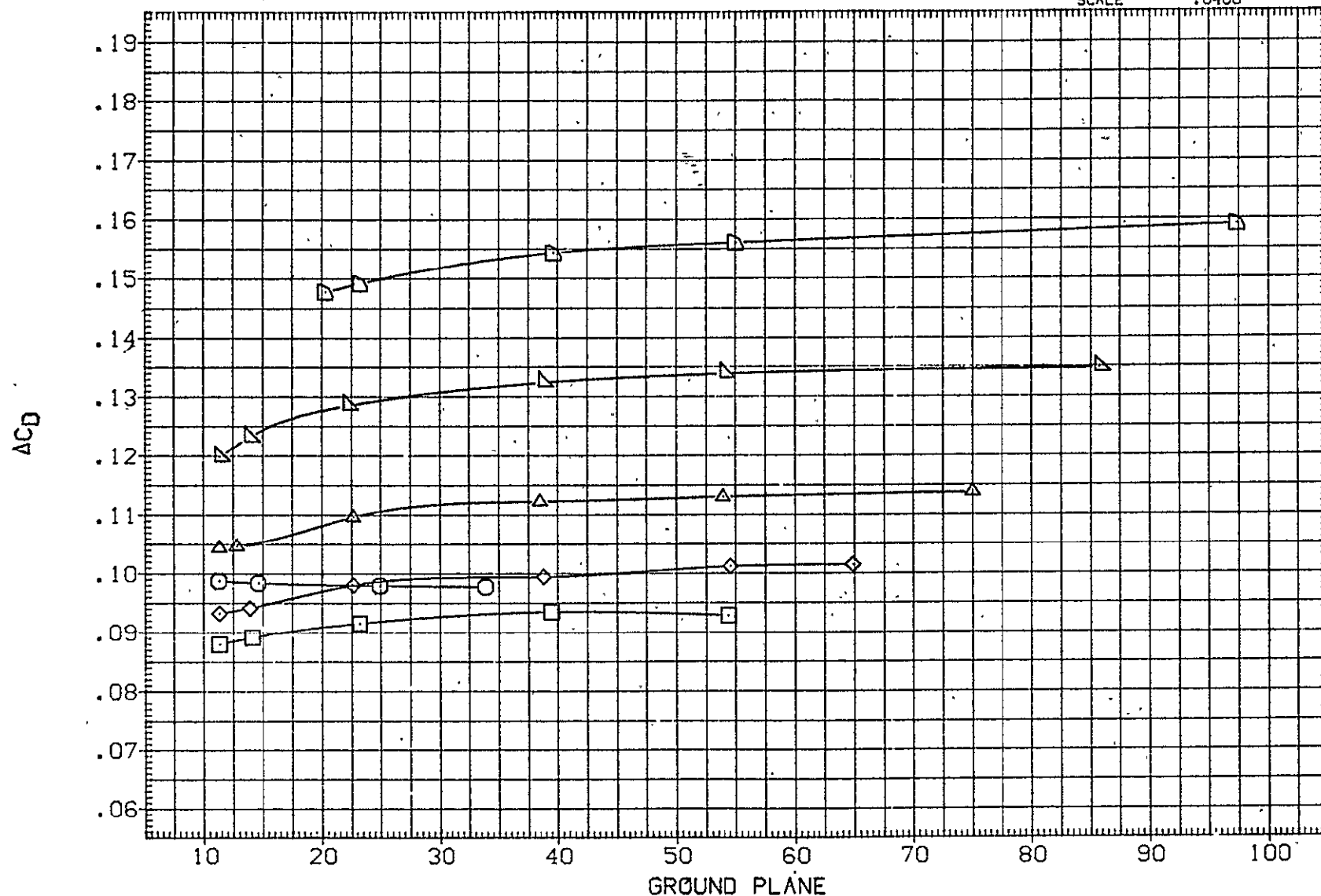


FIG 195 ALT CONFIG IN GROUND PROXIMITY, STAB = 4, FLAPS 10, IORB=6, TC OFF CARR. IN PRESENCE OF ORB. (MAIN BALANCE-ORB. BALANCE). GP SWEEPS, W/SUCTION PUMP

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(UJF345)	○	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	.142	6.000	.000	-5.000	SREF	5500.0000	SQ.FT.
(UJF346)	□	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	4.102	6.000	.000	-5.000	LREF	327.8000	IN.
(UJF347)	◇	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	6.145	6.000	.000	-5.000	BREF	2348.0000	IN.
(UJF348)	△	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	8.104	6.000	.000	-5.000	XMRP	1339.9100	IN. XC
(UJF349)	▽	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	10.197	6.000	.000	-5.000	YMRP	.0000	IN. YC
(UJF350)	◻	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	12.193	6.000	.000	-5.000	ZMRP	190.7500	IN. ZC
							SCALE	.0400	

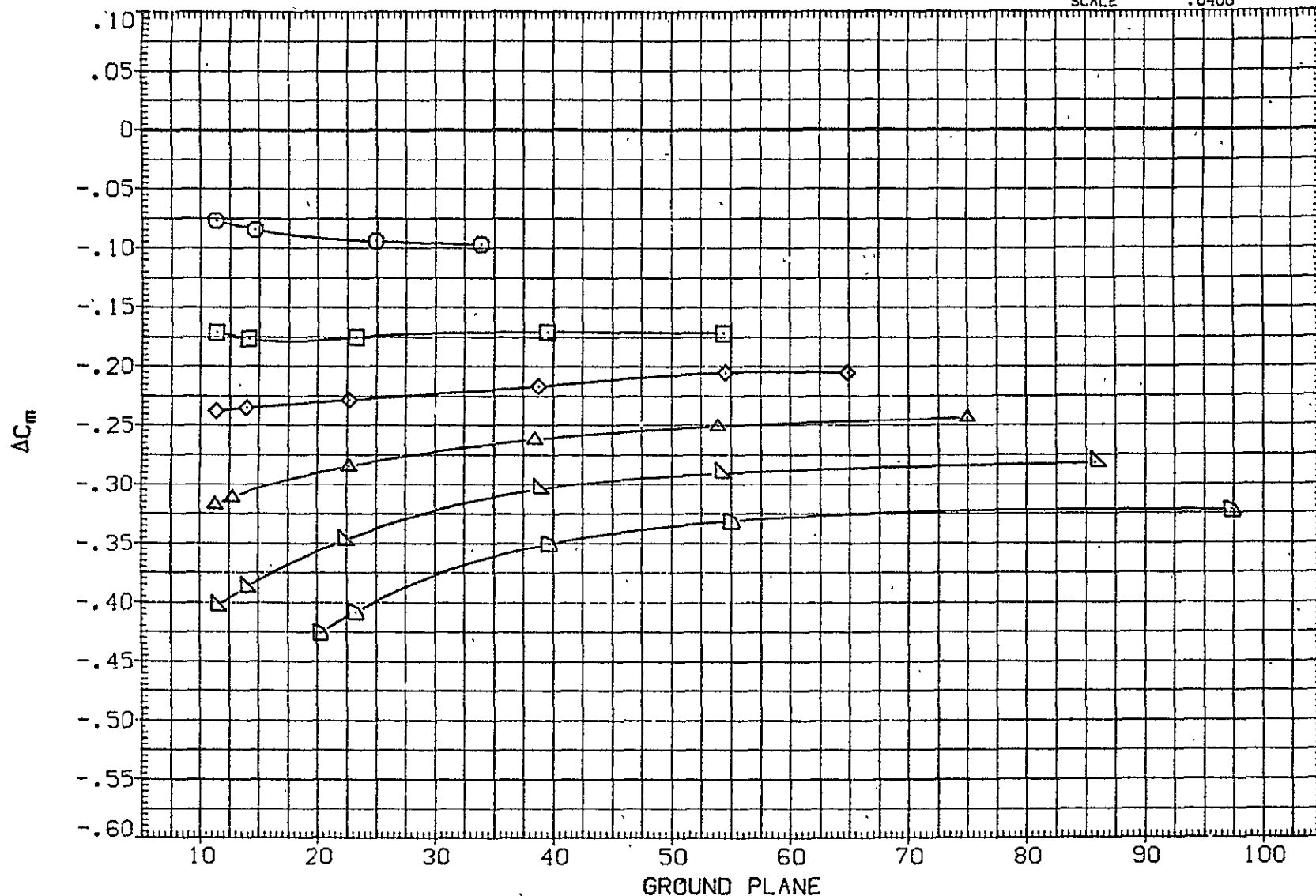


FIG 195 ALT CONFIG IN GROUND PROXIMITY, STAB = 4, FLAPS 10, IORB=6, TC OFF
CARR. IN PRESENCE OF ORB. (MAIN BALANCE-ORB. BALANCE), GP SWEEPS, W/SUCTION PUMP

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA _W	I _{ORB}	BD _{FLAP}	ELEVON	REFERENCE INFORMATION		
(UJF333)	□	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	.240	6.000	.000	-5.000	SREF	5500.0000	50. FT.
(UJF334)	◇	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	4.003	6.000	.000	-5.000	LREF	327.8000	IN.
(UJF335)	◇	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	6.127	6.000	.000	-5.000	BREF	2348.0000	IN.
(UJF336)	△	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	8.113	6.000	.000	-5.000	XMRP	1339.9100	IN. XC
(UJF337)	△	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	10.121	6.000	.000	-5.000	YMRP	.0000	IN. YC
(UJF338)	△	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	12.123	6.000	.000	-5.000	ZMRP	190.7500	IN. ZC
							SCALE	.0400	

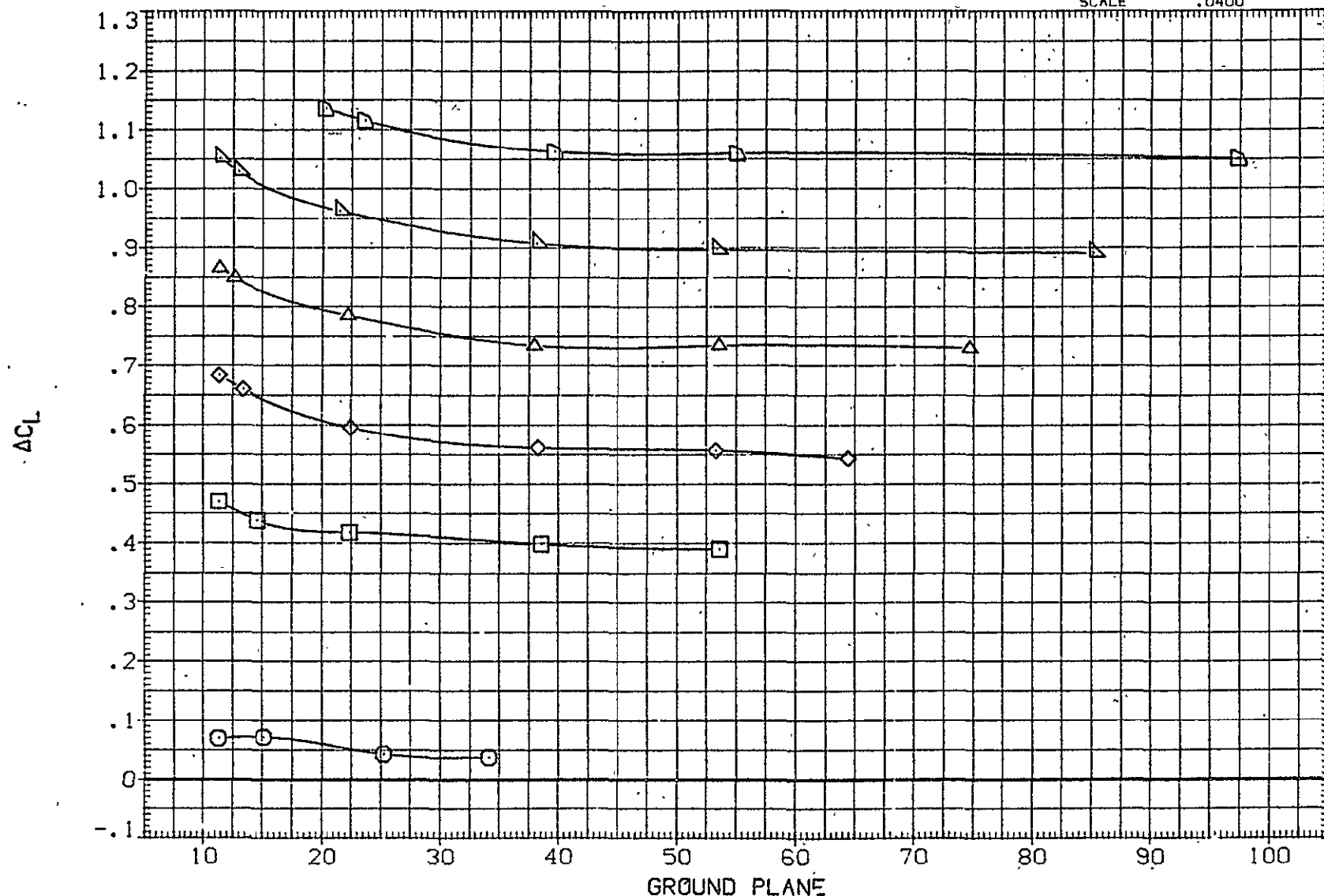


FIG 196 ALT CONFIG IN GROUND PROXIMITY, STAB = 0, FLAPS 10, I_{ORB}=6, TC OFF
CARR. IN PRESENCE OF ORB. (MAIN BALANCE-ORB. BALANCE), GP SWEEPS, W/SUCTION PUMP

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA W	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(UJF333)	○	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	.240	6.000	.000	-5.000	SREF	5500.0000	SQ.FT.
(UJF334)	□	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	4.003	6.000	.000	-5.000	LREF	327.8000	IN.
(UJF335)	◇	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	6.127	6.000	.000	-5.000	BREF	2348.0000	IN.
(UJF336)	△	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	8.113	6.000	.000	-5.000	XMRP	1339.9100	IN.XC
(UJF337)	▲	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	10.121	6.000	.000	-5.000	YMRP	.0000	IN.YC
(UJF338)	▷	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	12.123	6.000	.000	-5.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

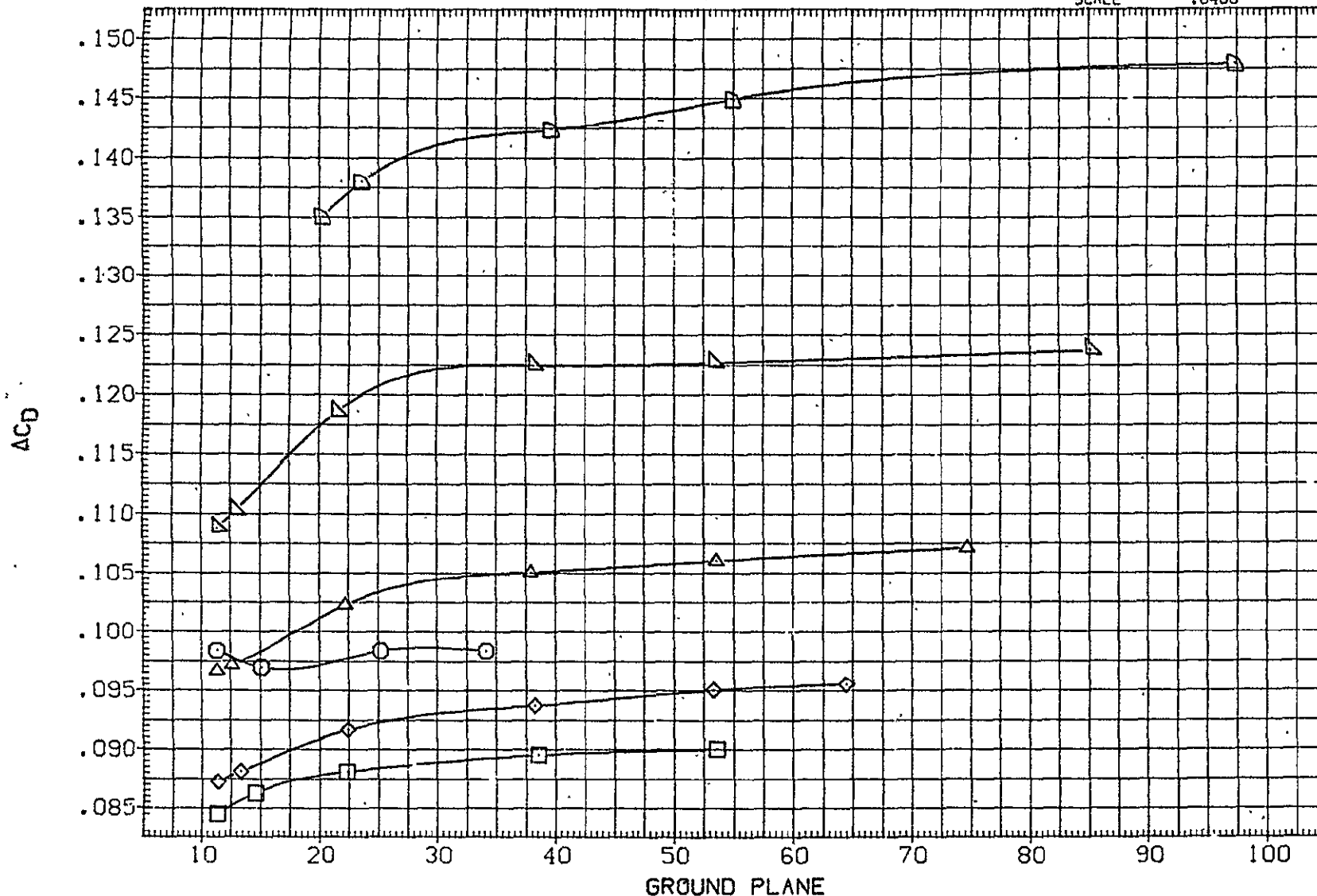


FIG 196 ALT CONFIG IN GROUND PROXIMITY, STAB = 0, FLAPS 10, IORB=6, TC OFF CARR. IN PRESENCE OF ORB. (MAIN BALANCE-ORB. BALANCE), GP SWEEPS, W/SUCTION PUMP
 (A)MACH = .15 PAGE 664

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DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(UJF333)	○	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	.240	6.000	.000	-5.000	SREF	5500.0000	SQ.FT.
(UJF334)	□	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	4.003	6.000	.000	-5.000	LREF	327.8000	IN.
(UJF335)	◇	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	6.127	6.000	.000	-5.000	BREF	2348.0000	IN.
(UJF336)	△	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	8.113	6.000	.000	-5.000	XMRP	1339.9100	IN.XC
(UJF337)	▽	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	10.121	6.000	.000	-5.000	YMRP	.0000	IN.YC
(UJF338)	◻	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	12.123	6.000	.000	-5.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

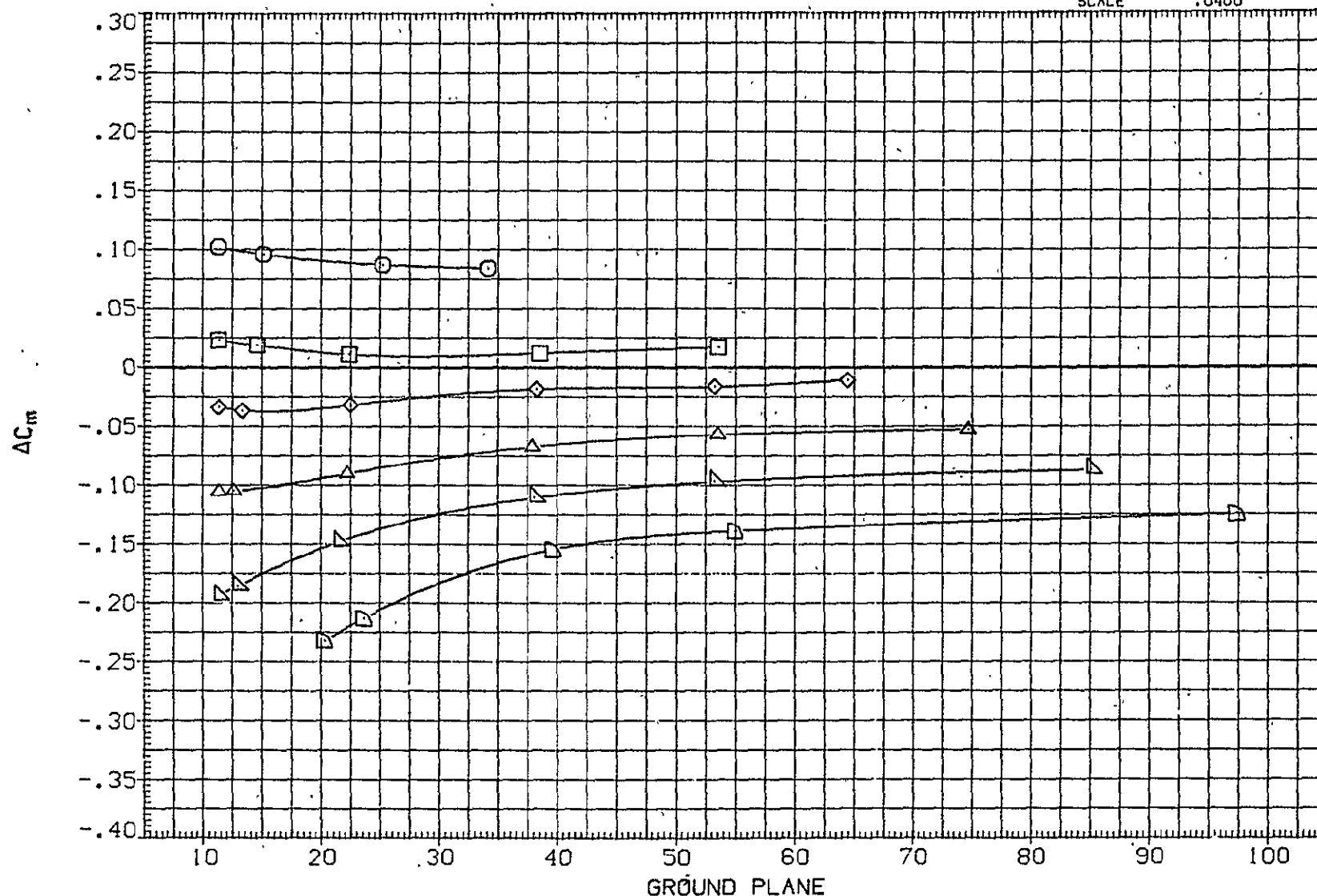


FIG 196 ALT CONFIG IN GROUND PROXIMITY, STAB = 0, FLAPS 10, IORB=6, TC OFF
CARR. IN PRESENCE OF ORB. (MAIN BALANCE-ORB. BALANCE), GP SWEEPS, W/SUCTION PUMP

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(UJF339)	○	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	.132	6.000	.000	-5.000	SREF	5500.0000	50.FT.
(UJF340)	□	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	4.180	6.000	.000	-5.000	LREF	327.8000	IN.
(UJF341)	◇	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	6.149	6.000	.000	-5.000	BREF	2348.0000	IN.
(UJF342)	△	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	8.123	6.000	.000	-5.000	XM RP	1339.9100	IN.XC
(UJF343)	▽	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	10.116	6.000	.000	-5.000	YM RP	.0000	IN.YC
(UJF344)	◻	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	12.139	6.000	.000	-5.000	ZM RP	190.7500	IN.ZC
							SCALE	.0400	

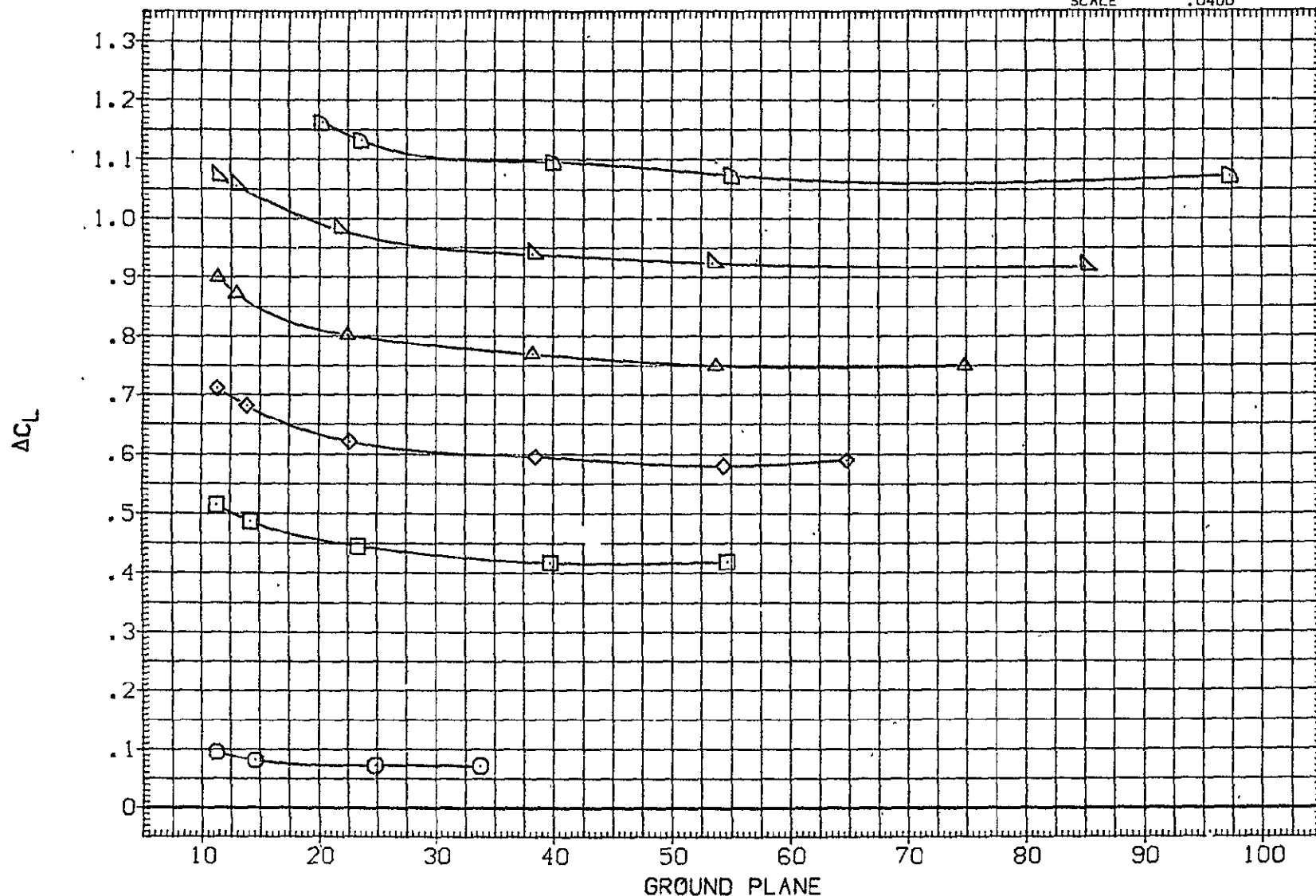


FIG 197 ALT CONFIG IN GROUND PROXIMITY, STAB = 2, FLAPS 10, IORB=6, TC OFF CARR. IN PRESENCE OF ORB. (MAIN BALANCE-ORB. BALANCE), GP SWEEPS, W/SUCTION PUMP

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(UJF339)	□	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	.132	6.000	.000	-5.000	SREF	5500.0000	SQ.FT.
(UJF340)	○	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	4.180	6.000	.000	-5.000	LREF	327.8000	IN.
(UJF341)	◇	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	6.149	6.000	.000	-5.000	BREF	2348.0000	IN.
(UJF342)	△	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	8.123	6.000	.000	-5.000	XMRP	1339.9100	IN.XC
(UJF343)	▽	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	10.116	6.000	.000	-5.000	YMRP	.0000	IN.YC
(UJF344)	◻	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	12.139	6.000	.000	-5.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

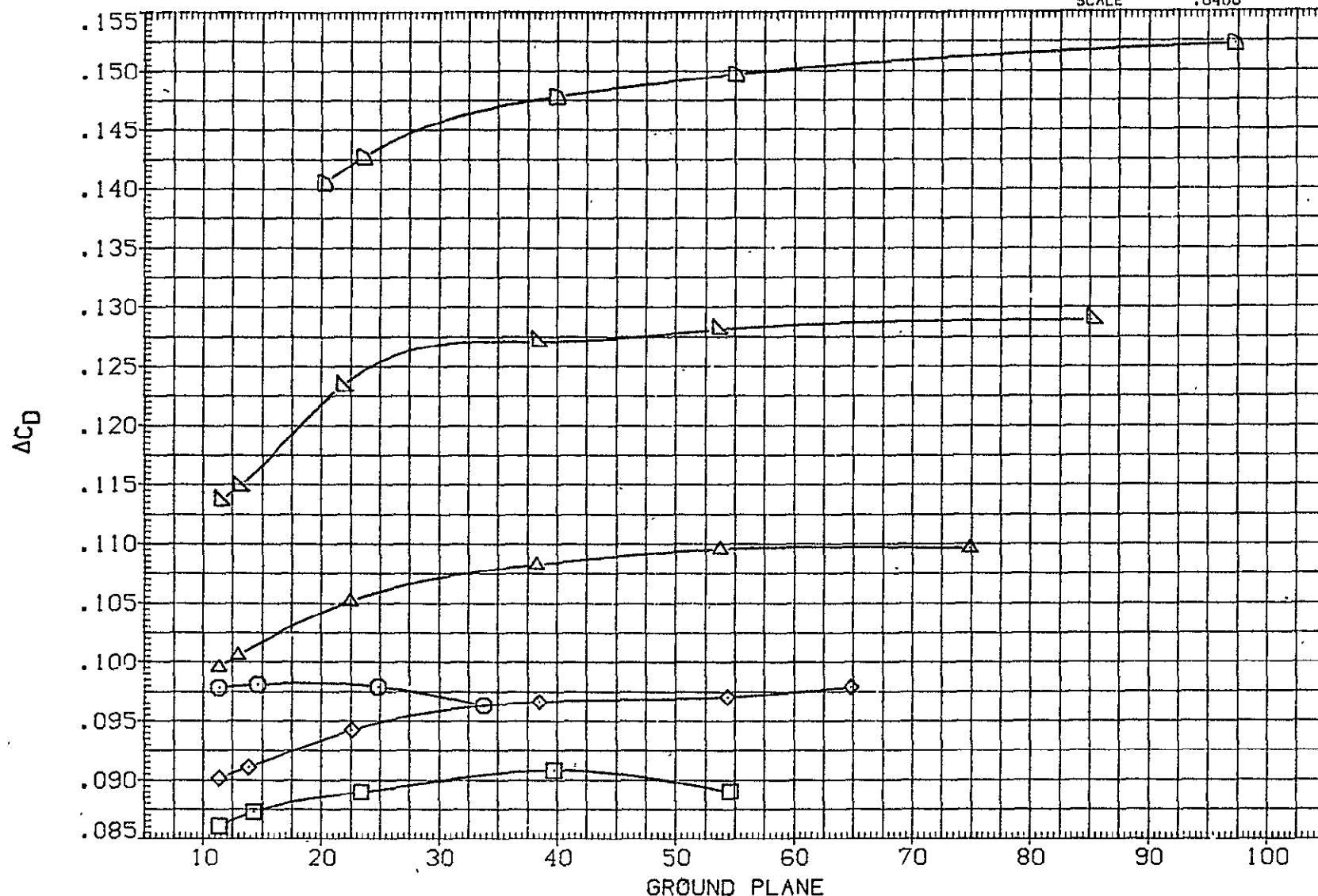


FIG 197 ALT CONFIG IN GROUND PROXIMITY, STAB = 2, FLAPS 10, IORB=6, TC OFF CARR. IN PRESENCE OF ORB. (MAIN BALANCE-ORB. BALANCE), GP SWEEPS, W/SUCTION PUMP
 (A)MACH = .15 PAGE 667

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	ICRB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(UJF339)	○	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	.132	6.000	.000	-5.000	SREF	5500.0000	SQ.FT.
(UJF340)	□	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	4.180	6.000	.000	-5.000	LREF	327.8000	IN.
(UJF341)	◇	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	6.149	6.000	.000	-5.000	BREF	2348.0000	IN.
(UJF342)	△	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	8.123	6.000	.000	-5.000	XMRP	1339.9100	IN. XC
(UJF343)	▽	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	10.116	6.000	.000	-5.000	YMRP	.0000	IN. YC
(UJF344)	◻	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	12.139	6.000	.000	-5.000	ZMRP	190.7500	IN. ZC
							SCALE	.0400	

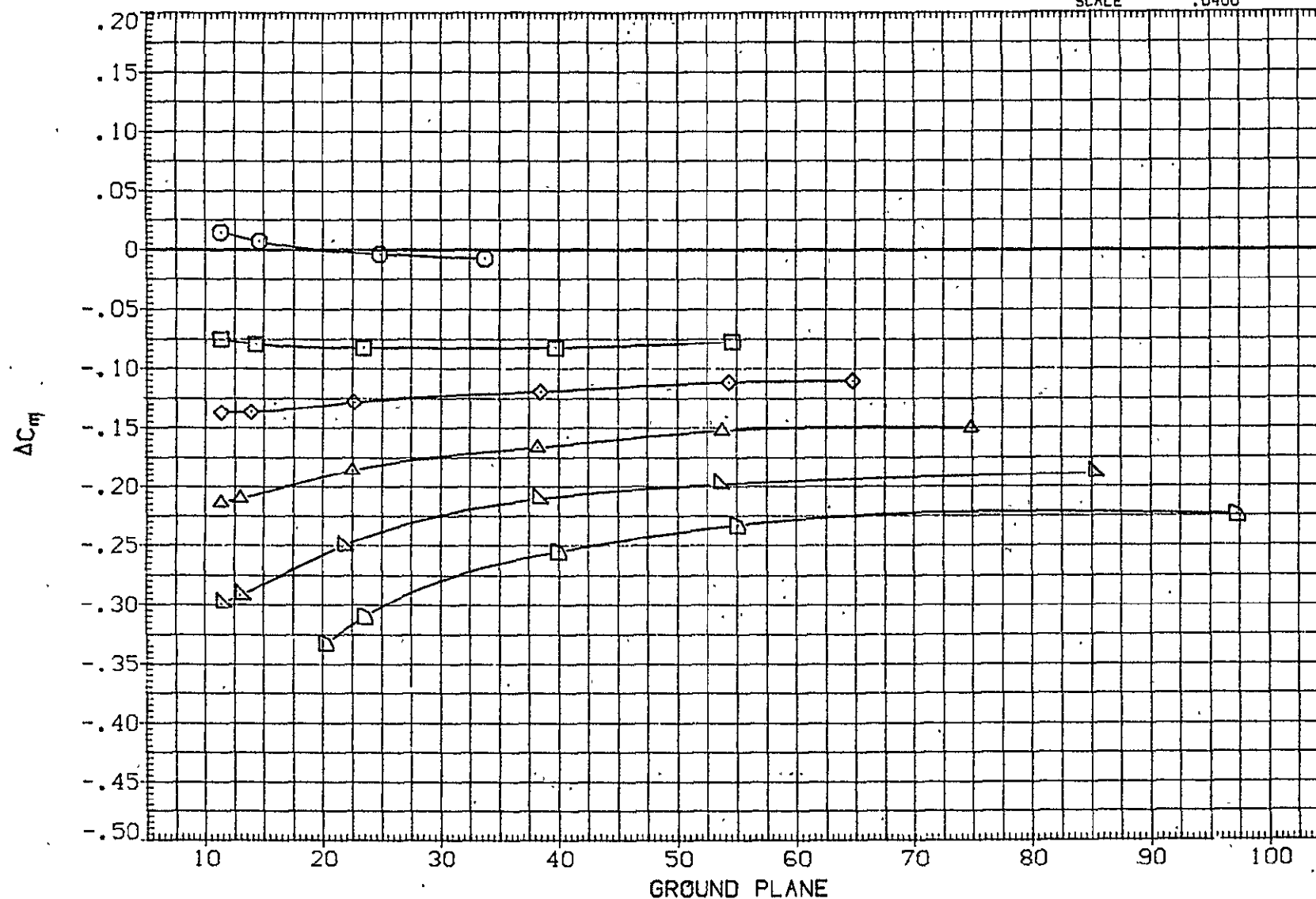


FIG 197 ALT CONFIG IN GROUND PROXIMITY, STAB = 2, FLAPS 10, ICRB=6, TC OFF CARR. IN PRESENCE OF ORB. (MAIN BALANCE-ORB. BALANCE), GP SWEEPS, W/SUCTION PUMP

(A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	ICRB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(UJF374)	○	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	.187	6.000	.000	-5.000	SREF	5500.0000	SQ.FT.
(UJF375)	□	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	4.094	6.000	.000	-5.000	LREF	327.8000	IN.
(UJF376)	◇	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	6.154	6.000	.000	-5.000	BREF	2348.0000	IN.
(UJF377)	△	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	8.131	6.000	.000	-5.000	XMRP	1339.9100	IN.XC
(UJF378)	▽	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	10.146	6.000	.000	-5.000	YMRP	.0000	IN.YC
(UJF379)	▽	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	12.167	6.000	.000	-5.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

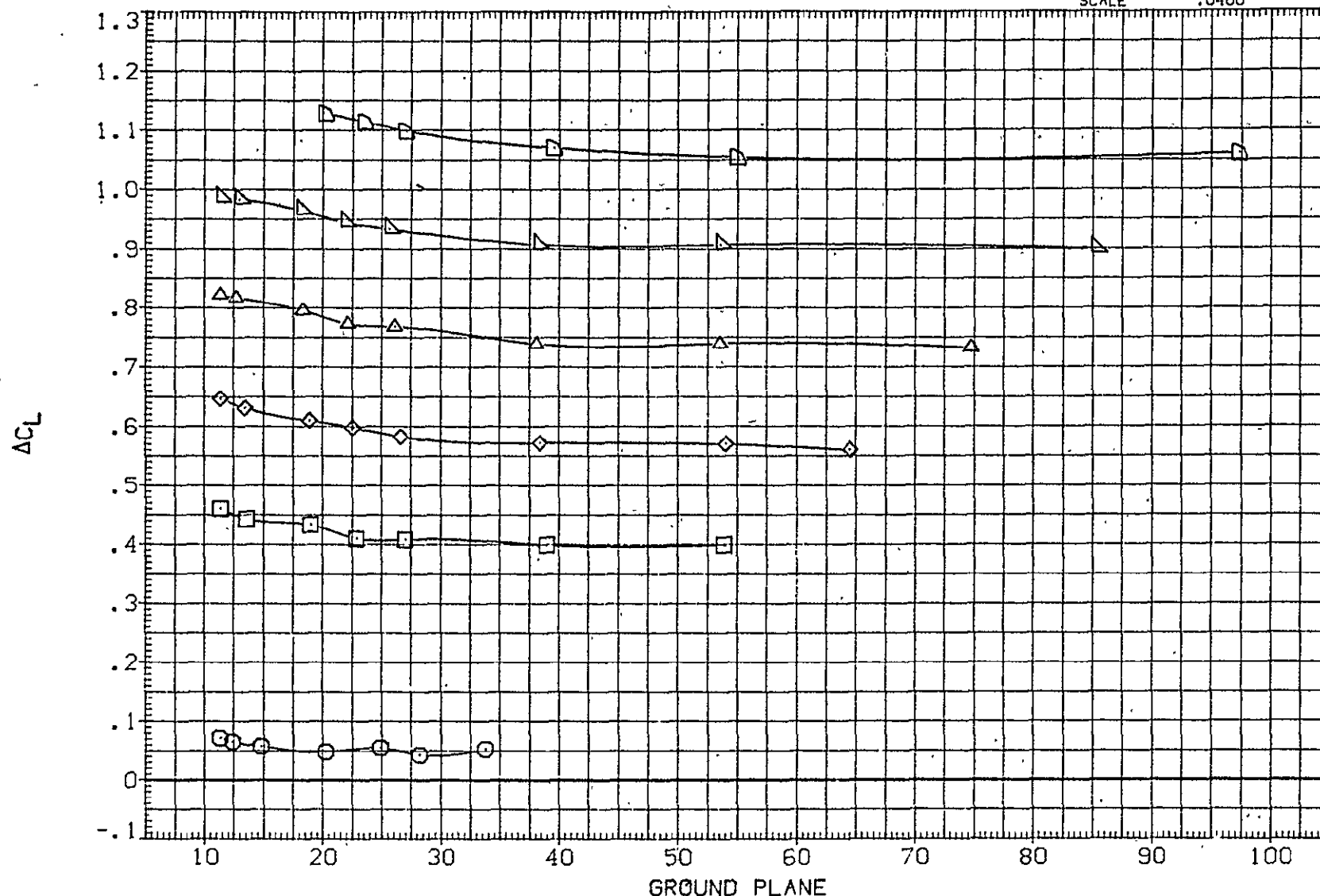


FIG 198 ALT CONFIG IN GROUND PROXIMITY, STAB = 0, FLAPS 10, ICRB=6, TC OFF CARR. IN PRESENCE OF ORB. (MAIN BALANCE-ORB. BALANCE). GP SWEEPS, W/O SUCTION PUMP

(A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(UJF374)	○	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	.187	6.000	.000	-5.000	SREF	5500.0000	SQ.FT.
(UJF375)	□	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	4.094	6.000	.000	-5.000	LREF	327.8000	IN.
(UJF376)	◇	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	6.154	6.000	.000	-5.000	BREF	2348.0000	IN.
(UJF377)	△	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	8.131	6.000	.000	-5.000	XMRF	1339.9100	IN.XC
(UJF378)	▽	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	10.146	6.000	.000	-5.000	YMRP	.0000	IN.YC
(UJF379)	◻	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	12.167	6.000	.000	-5.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

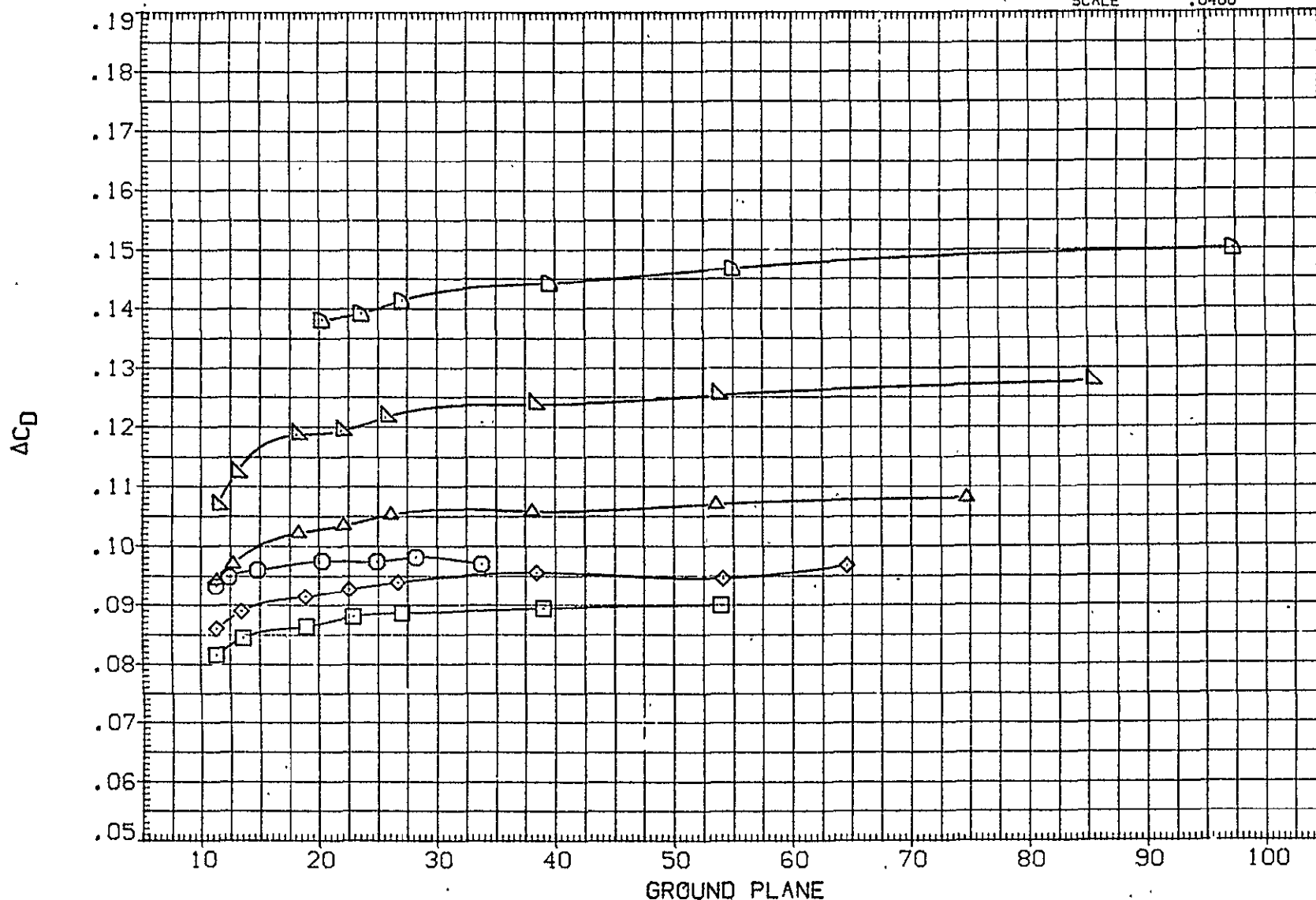


FIG 198 ALT CONFIG IN GROUND PROXIMITY. STAB = 0. FLAPS 10. IORB=6. TC OFF
 CARR. IN PRESENCE OF ORB. (MAIN BALANCE-ORB. BALANCE), GP SWEEPS, W/O SUCTION PUMP.
 (A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(UJF374)	○	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	.187	6.000	.000	-5.000	SREF	5500.0000	SQ.FT.
(UJF375)	□	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	4.094	6.000	.000	-5.000	LREF	327.8000	IN.
(UJF376)	◇	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	6.154	6.000	.000	-5.000	BREF	2348.0000	IN.
(UJF377)	△	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	8.131	6.000	.000	-5.000	XMRP	1339.9100	IN.XC
(UJF378)	▽	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	10.146	6.000	.000	-5.000	YMRP	.0000	IN.YC
(UJF379)	◻	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	12.167	6.000	.000	-5.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

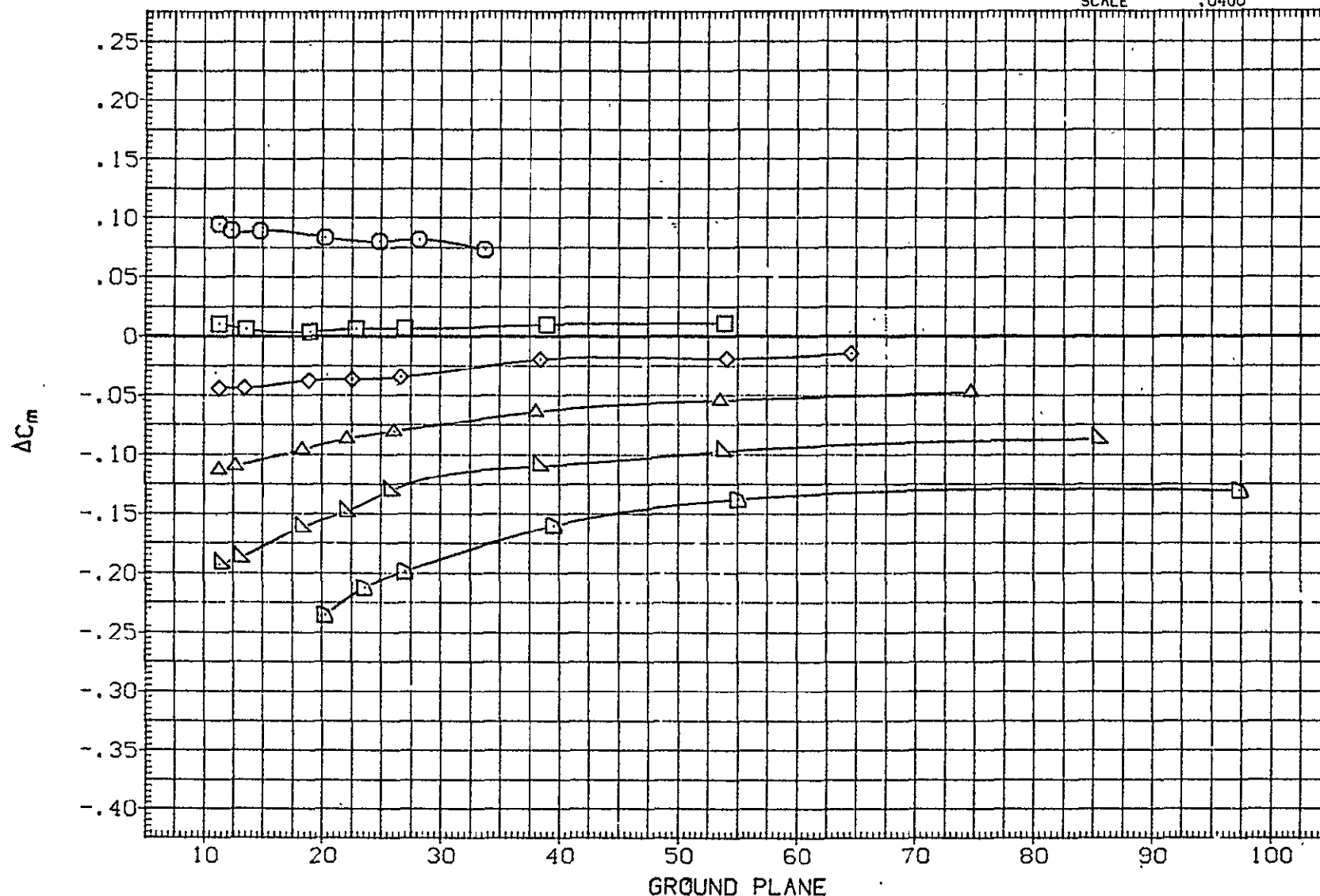


FIG 198 ALT CONFIG IN GROUND PROXIMITY, STAB = 0. FLAPS 10. IORB=6, TC OFF
 CARR. IN PRESENCE OF ORB. (MAIN BALANCE-ORB. BALANCE), GP SWEEPS, W/O SUCTION PUMP
 (A) MACH. = .15 PAGE 671

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	IORB	BOFLAP	ELEVON	REFERENCE INFORMATION		
(UJF380)	□	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	.132	6.000	.000	-5.000	SREF	5500.0000	50.FT.
(UJF381)	◇	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	4.129	6.000	.000	-5.000	LREF	327.8000	IN.
(UJF382)	△	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	6.149	6.000	.000	-5.000	BREF	2348.0000	IN.
(UJF383)	△	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	8.171	6.000	.000	-5.000	XMRP	1339.9100	IN.XC
(UJF384)	△	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	10.148	6.000	.000	-5.000	YMRP	.0000	IN.YC
(UJF385)	△	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	12.178	6.000	.000	-5.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

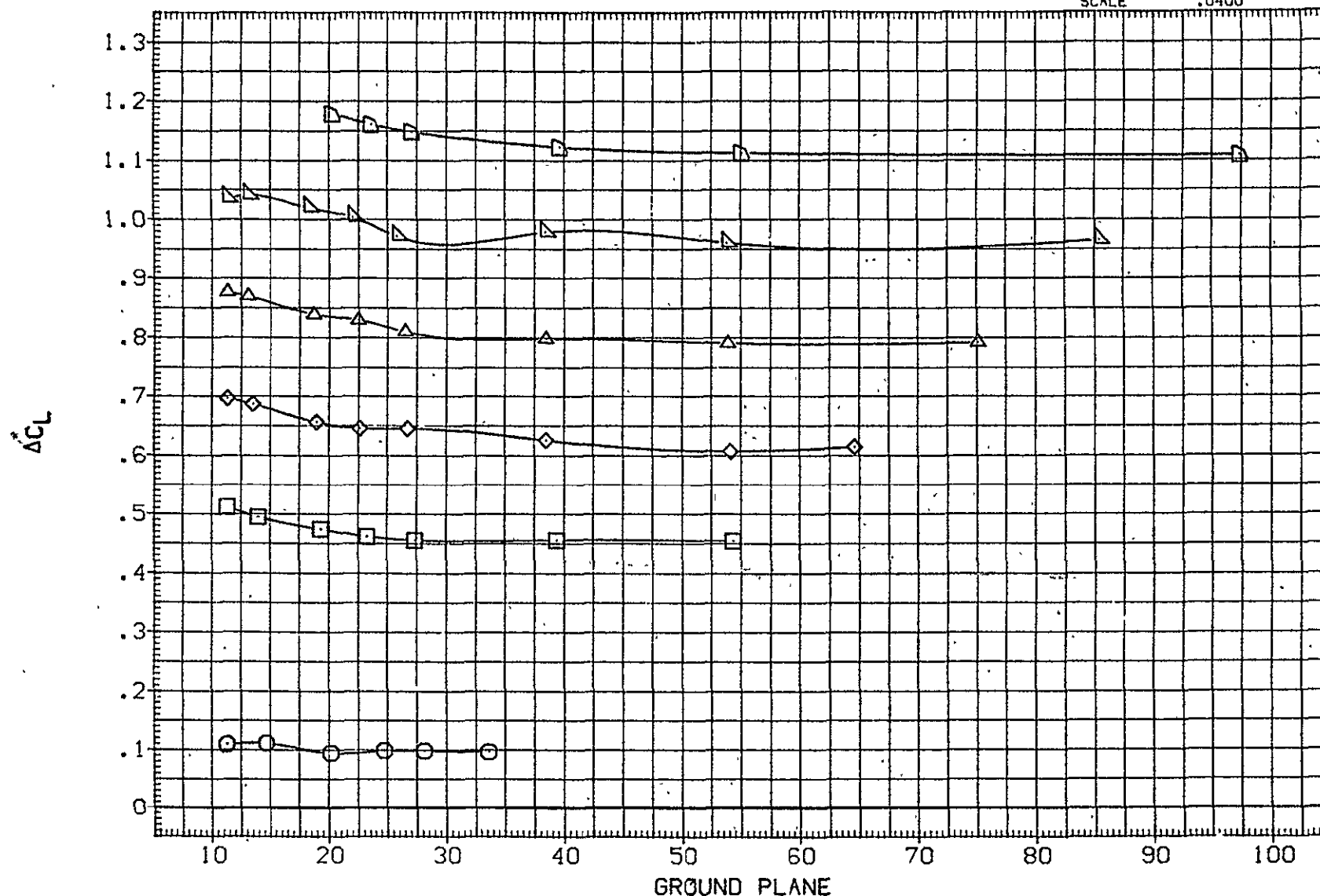


FIG 199 ALT CONFIG IN GROUND PROXIMITY, STAB = 4, FLAPS 10, IORB=6, TC OFF
 CARR. IN PRESENCE OF ORB. (MAIN BALANCE-ORB. BALANCE), GP SWEEPS, W/O SUCTION PUMP
 (A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ICRB	BOFLAP	ELEVON	REFERENCE INFORMATION		
(UJF380)	□	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	.132	6.000	.000	-5.000	SREF	5500.0000	50.FT.
(UJF381)	□	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	4.129	6.000	.000	-5.000	LREF	327.8000	IN.
(UJF382)	◇	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	6.149	6.000	.000	-5.000	BREF	2348.0000	IN.
(UJF383)	◇	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	8.171	6.000	.000	-5.000	XMRP	1339.9100	IN.XC
(UJF384)	△	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	10.148	6.000	.000	-5.000	YMRP	.0000	IN.YC
(UJF385)	△	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	12.178	6.000	.000	-5.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

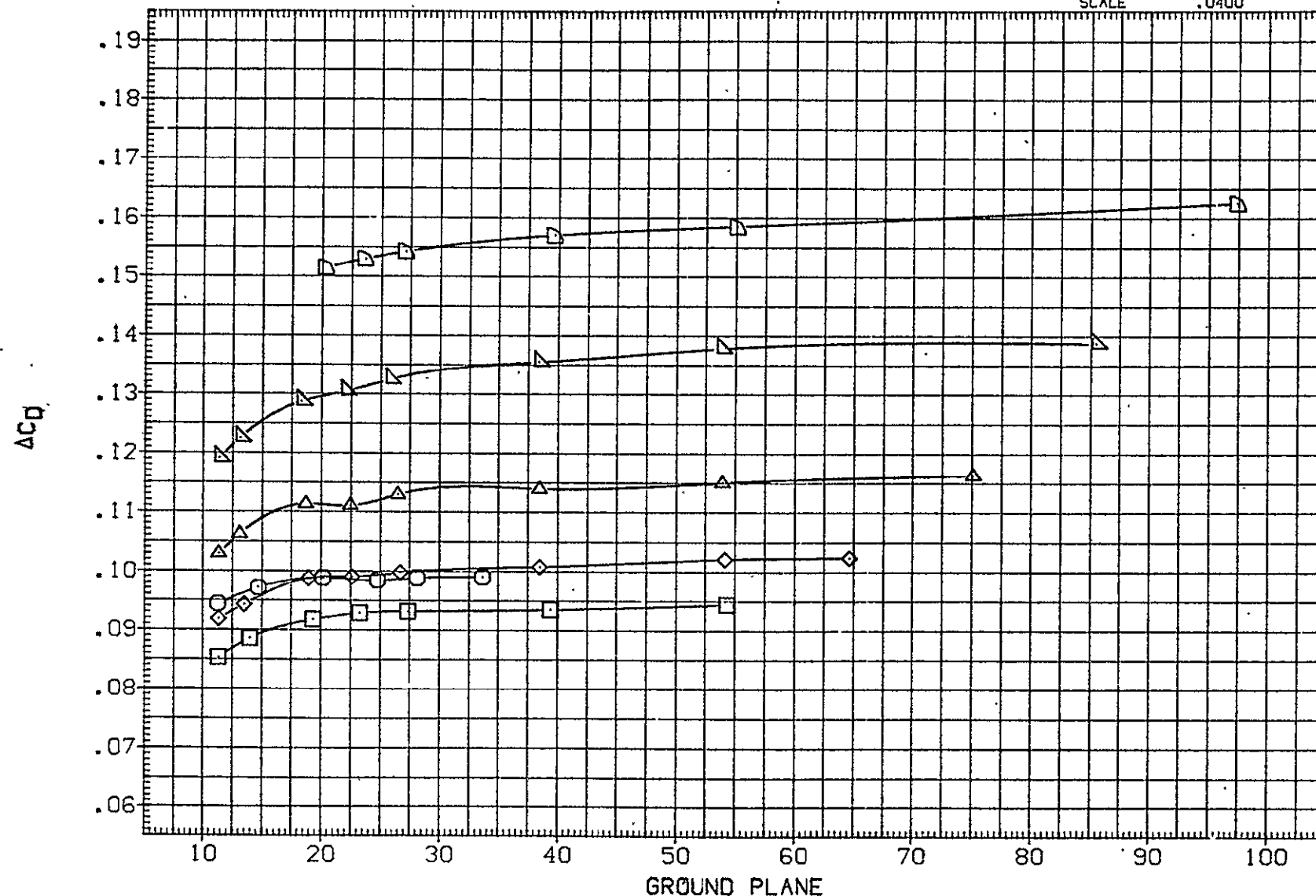


FIG 199 ALT CONFIG IN GROUND PROXIMITY, STAB = 4, FLAPS 10, ICRB=6, TC OFF CARR. IN PRESENCE OF ORB. (MAIN BALANCE-ORB. BALANCE), GP SWEEPS, W/O SUCTION PUMP
 (A)MACH = .15
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DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(UJF380)	○	(CA-8) K3.1TS7H15.6.1F1OTS40265.3.5	.132	6.000	.000	-5.000	SREF	5500.0000	50.FT.
(UJF381)	□	(CA-8) K3.1TS7H15.6.1F1OTS40265.3.5	4.129	6.000	.000	-5.000	LREF	327.8000	IN.
(UJF382)	◇	(CA-8) K3.1TS7H15.6.1F1OTS40265.3.5	6.149	6.000	.000	-5.000	BREF	2348.0000	IN.
(UJF383)	△	(CA-8) K3.1TS7H15.6.1F1OTS40265.3.5	8.171	6.000	.000	-5.000	XMRP	1339.9100	IN.XC
(UJF384)	▽	(CA-8) K3.1TS7H15.6.1F1OTS40265.3.5	10.148	6.000	.000	-5.000	YMRP	.0000	IN.YC
(UJF385)	◻	(CA-8) K3.1TS7H15.6.1F1OTS40265.3.5	12.178	6.000	.000	-5.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

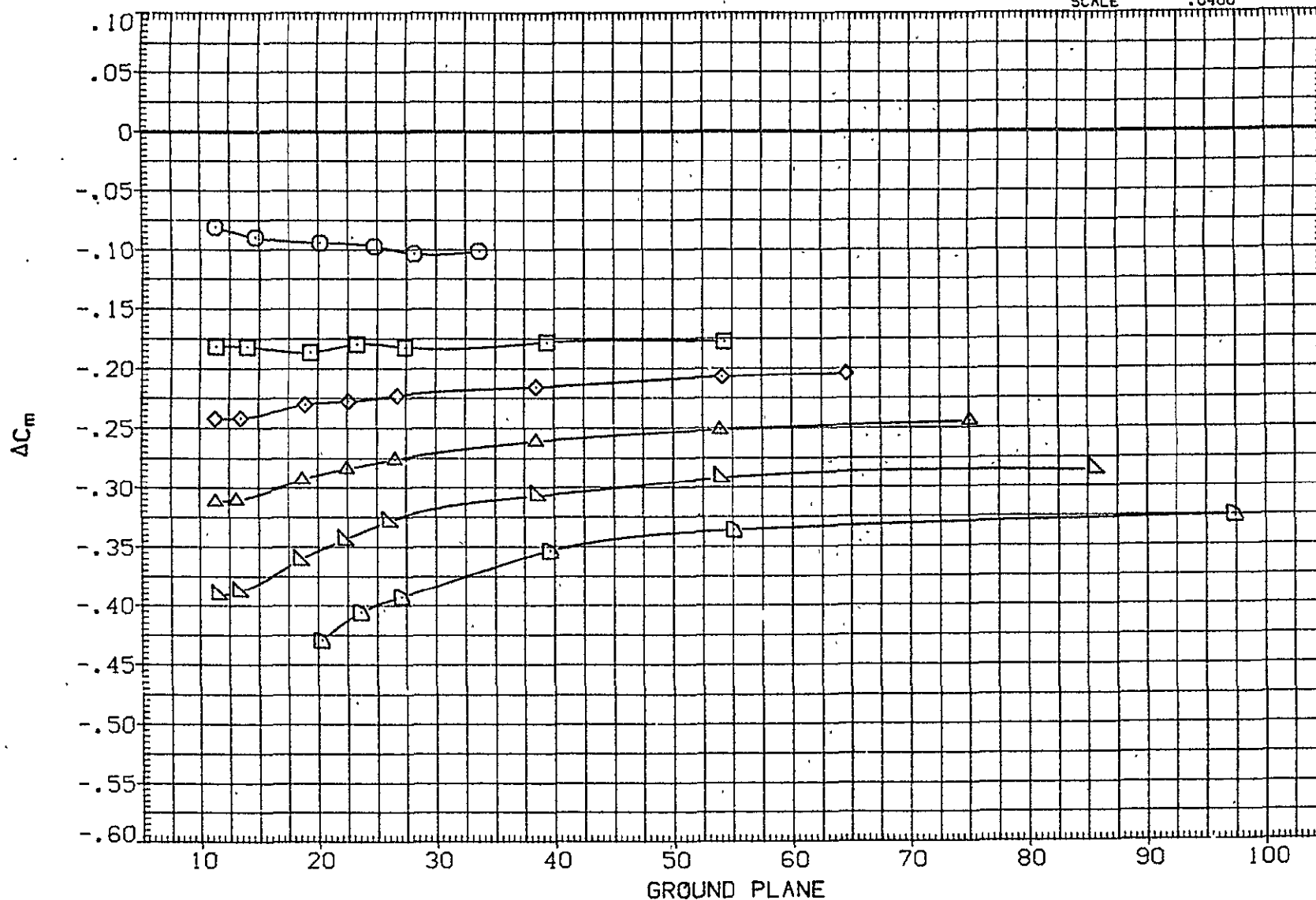


FIG 199 ALT CONFIG IN GROUND PROXIMITY, STAB = 4, FLAPS 10, IORB=6, TC OFF
 CARR. IN PRESENCE OF ORB. (MAIN BALANCE-ORB. BALANCE), GP SWEEPS, W/O SUCTION PUMP
 (A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA _W	IORB	BDELAP	ELEVON	REFERENCE INFORMATION		
(UJF357)	○	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	.223	6.000	.000	-5.000	SREF	5500.0000	50. FT.
(UJF358)	□	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	3.987	6.000	.000	-5.000	LREF	327.8000	IN.
(UJF359)	◇	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	6.129	6.000	.000	-5.000	BREF	2348.0000	IN.
(UJF360)	△	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	8.220	6.000	.000	-5.000	XMRP	1339.9100	IN. XC
(UJF361)	▽	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	10.205	6.000	.000	-5.000	YMRP	.0000	IN. YC
(UJF362)	◻	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	12.137	6.000	.000	-5.000	ZMRP	190.7500	IN. ZC
							SCALE	.0400	

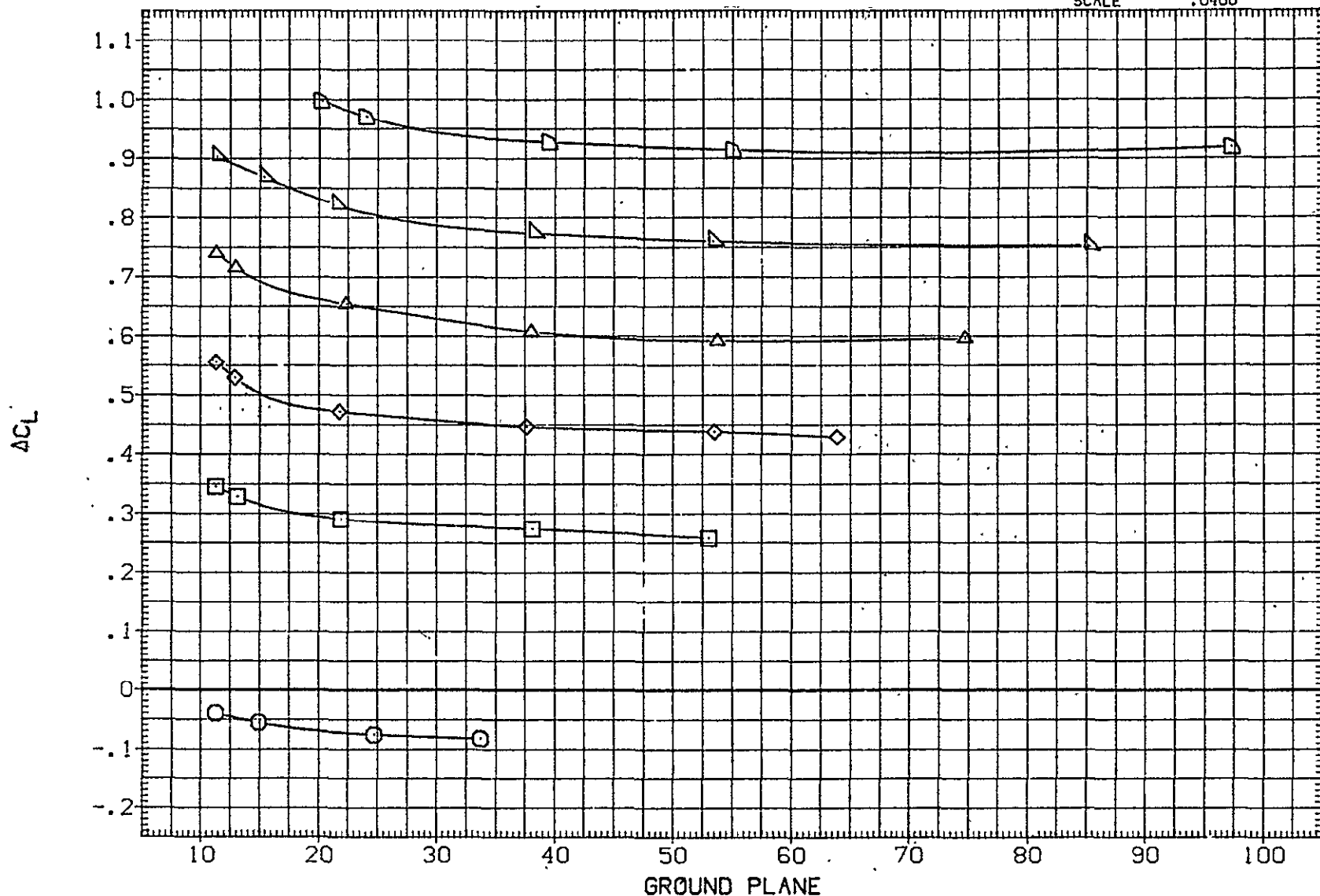


FIG 200 ALT CONFIG IN GROUND PROXIMITY, STAB = 0, ELEVTR=-23, IORB=6, TC OFF CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), GP SWEEPS

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(UJF357)	○	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	.223	6.000	.000	-5.000	SREF	5500.0000	SQ.FT.
(UJF358)	□	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	3.987	6.000	.000	-5.000	LREF	327.8000	IN.
(UJF359)	◇	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	6.129	6.000	.000	-5.000	BREF	2348.0000	IN.
(UJF360)	△	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	8.220	6.000	.000	-5.000	XMRP	1339.9100	IN.XC
(UJF361)	▽	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	10.205	6.000	.000	-5.000	YMRP	.0000	IN.YC
(UJF362)	▷	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	12.137	6.000	.000	-5.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

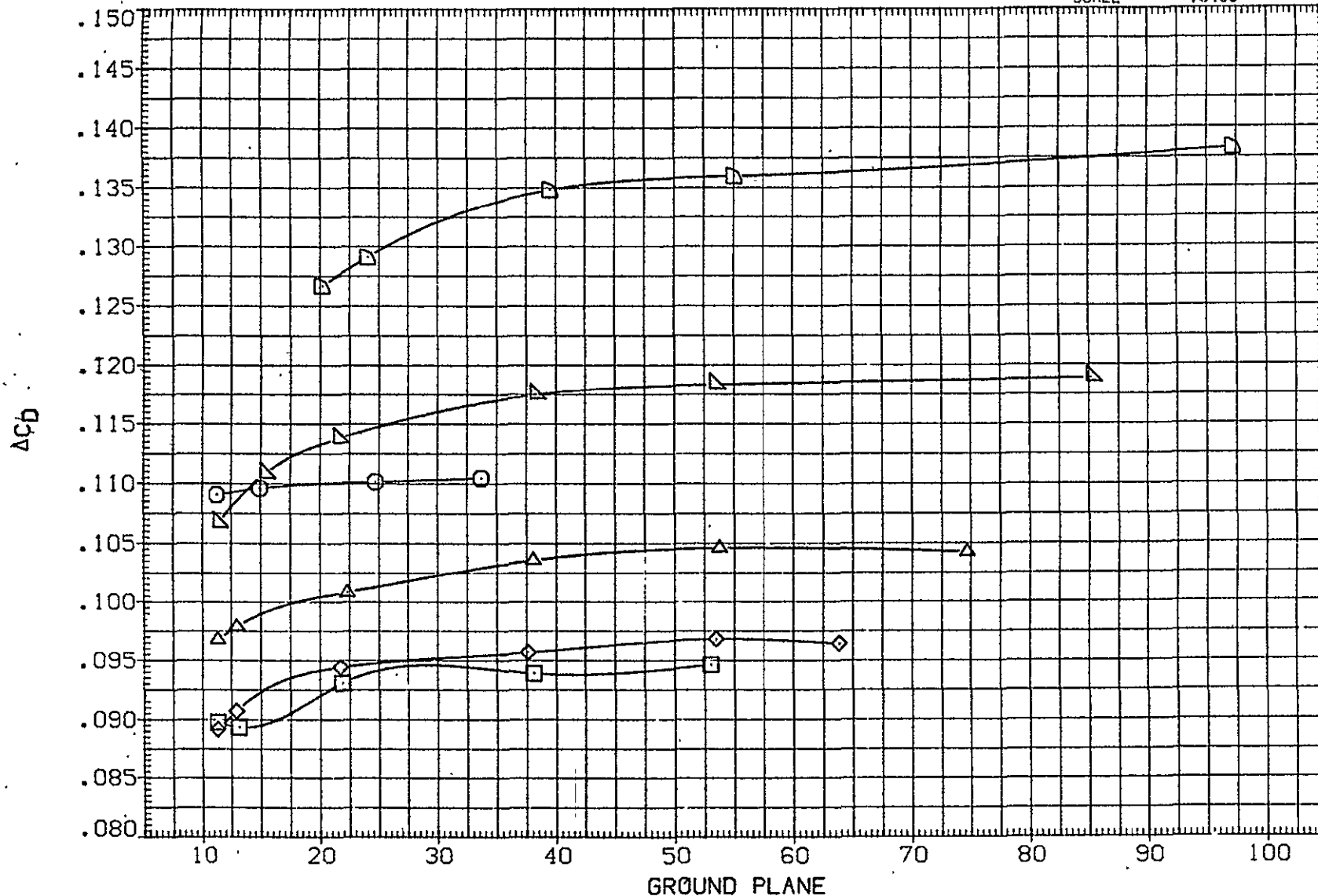


FIG 200 ALT CONFIG IN GROUND PROXIMITY, STAB = 0, ELEVTR=-23, IORB=6, TC OFF
CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(UJF357)	□	(CA-8) K3.1TS7H15.6.1F1OTS40265.3.5	.223	6.000	.000	-5.000	SREF	5500.0000	SQ.FT.
(UJF358)	◇	(CA-8) K3.1TS7H15.6.1F1OTS40265.3.5	3.987	6.000	.000	-5.000	LREF	327.8000	IN.
(UJF359)	◇	(CA-8) P3.1TS7H15.6.1F1OTS40265.3.5	6.129	6.000	.000	-5.000	BREF	2348.0000	IN.
(UJF360)	△	(CA-8) K3.1TS7H15.6.1F1OTS40265.3.5	8.220	6.000	.000	-5.000	XMRP	1339.9100	IN.XC
(UJF361)	△	(CA-8) K3.1TS7H15.6.1F1OTS40265.3.5	10.205	6.000	.000	-5.000	YMRP	.0000	IN.YC
(UJF362)	△	(CA-8) K3.1TS7H15.6.1F1OTS40265.3.5	12.137	6.000	.000	-5.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

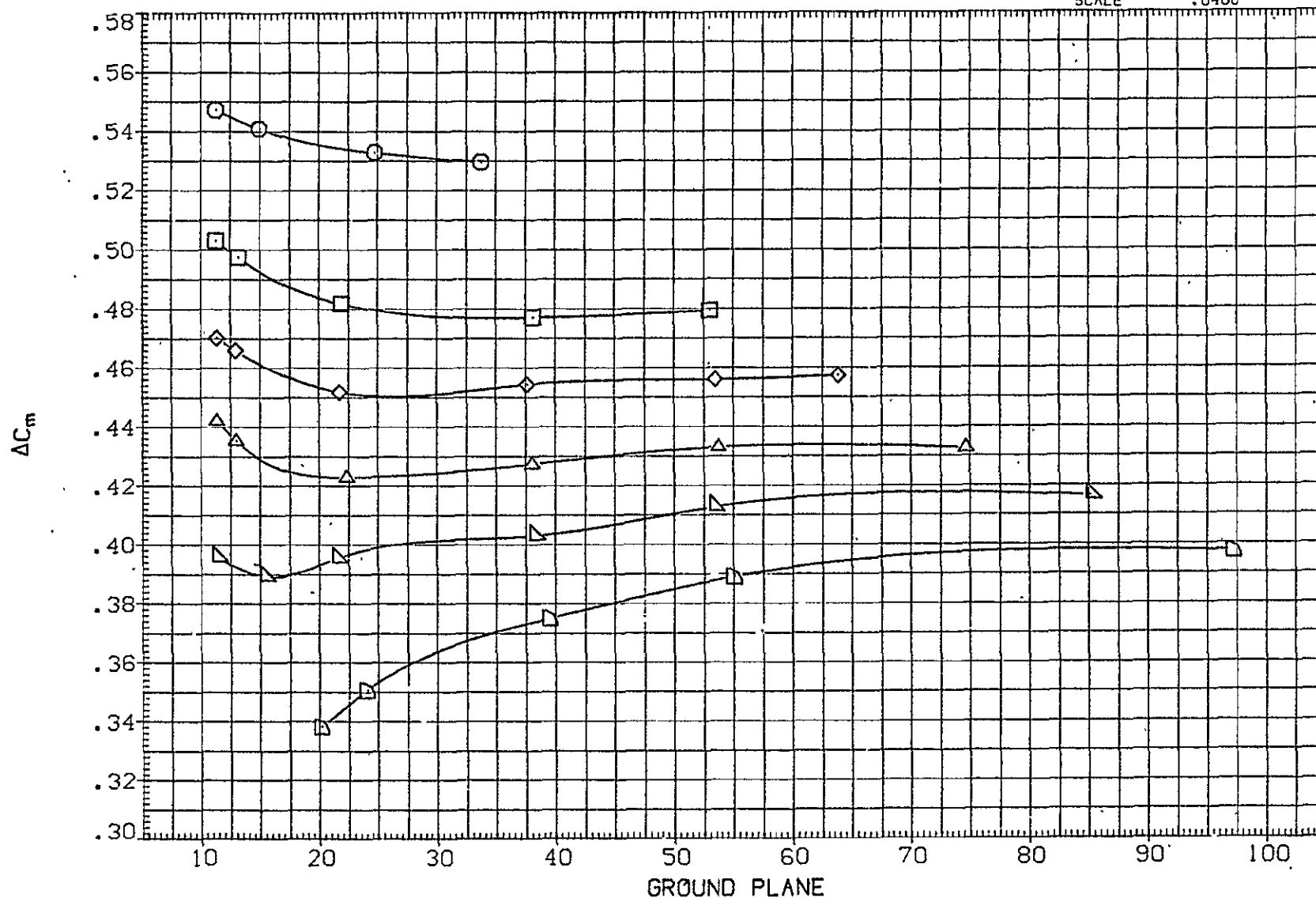



FIG 200 ALT CONFIG IN GROUND PROXIMITY, STAB = 0, ELEVTR=-23, IORB=6, TC OFF CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), GP SWEEPS

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHAW	IORB	3DFLAP	ELEVON	REFERENCE INFORMATION		
(UJF229)		(CA-8) K3.1TS7	F30TS40265.3.5	.216	6.000	.000	-5.000	SREF	5500.0000	SQ.FT.
(UJF230)		(CA-8) K3.1TS7	F30TS40265.3.5	4.197	6.000	.000	-5.000	LREF	327.8000	IN.
(UJF231)		(CA-8) K3.1TS7	F30TS40265.3.5	6.094	6.000	.000	-5.000	BREF	2348.0000	IN.
(UJF232)		(CA-8) K3.1TS7	F30TS40265.3.5	8.072	6.000	.000	-5.000	XMRP	1339.9100	IN.XC
(UJF233)		(CA-8) K3.1TS7	F30TS40265.3.5	10.131	6.000	.000	-5.000	YMRP	.0000	IN.YC
(UJF234)		(CA-8) K3.1TS7	F30TS40265.3.5	12.131	6.000	.000	-5.000	ZMRP	190.7500	IN.ZC
								SCALE	.0400	

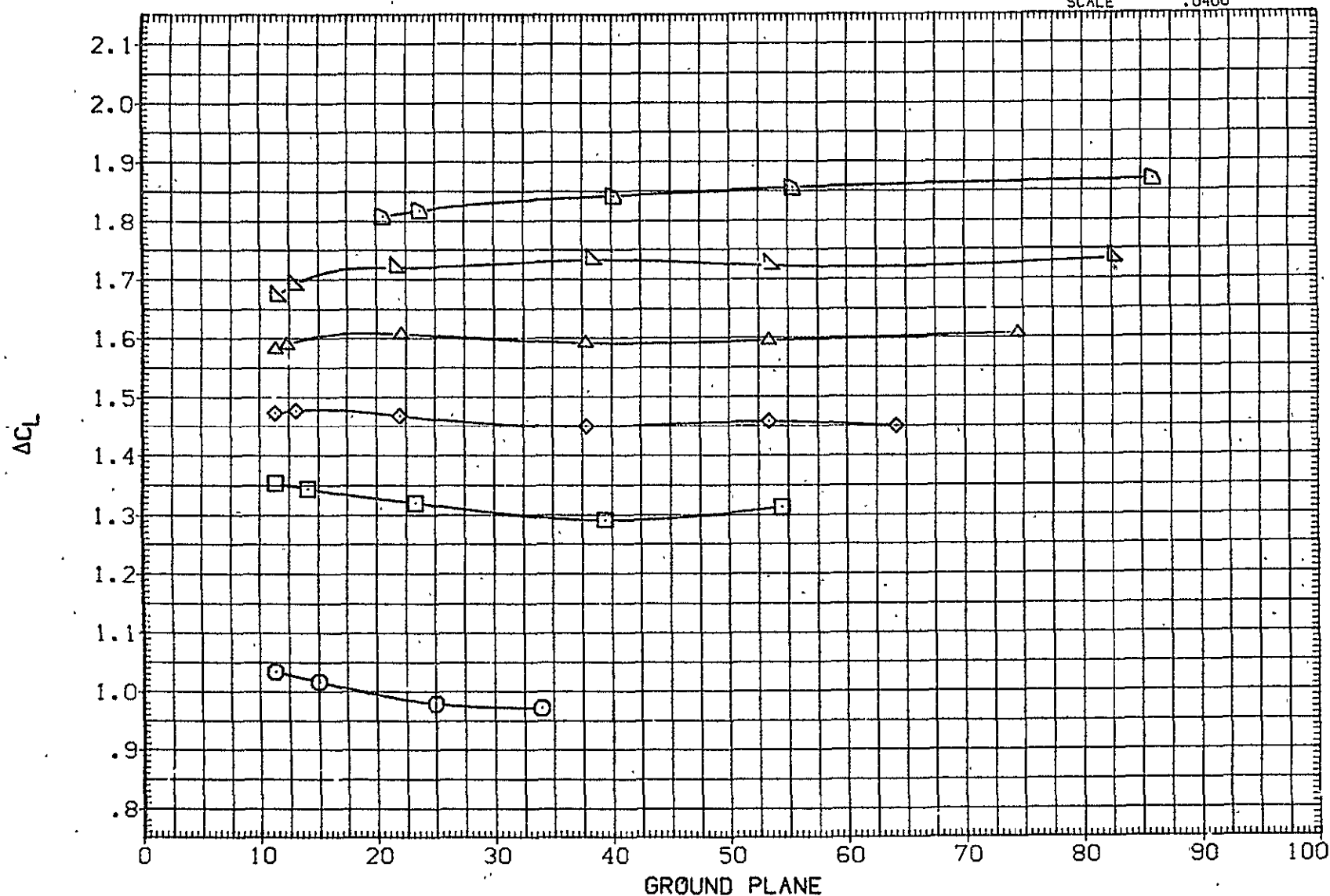


FIG 201 ALT CONFIG IN GROUND PROXIMITY, HORIZ OFF, FLAPS 30, IORB=6, TC OFF
 CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION
(UJF229)	○	(CA-8) K3.1TS7 F30TS40265.3.5	.216	6.000	.000	-5.000	SREF 5500.0000 SQ.FT.
(UJF230)	□	(CA-8) K3.1TS7 F30TS40265.3.5	4.197	6.000	.000	-5.000	LREF 327.8000 IN.
(UJF231)	◇	(CA-8) K3.1TS7 F30TS40265.3.5	6.094	6.000	.000	-5.000	BREF 2348.0000 IN.
(UJF232)	△	(CA-8) K3.1TS7 F30TS40265.3.5	8.072	6.000	.000	-5.000	XMRP 1339.9100 IN.XC
(UJF233)	▽	(CA-8) K3.1TS7 F30TS40265.3.5	10.131	6.000	.000	-5.000	YMRP .0000 IN.YC
(UJF234)	◻	(CA-8) K3.1TS7 F30TS40265.3.5	12.131	6.000	.000	-5.000	ZMRP 190.7500 IN.ZC
							SCALE .0400

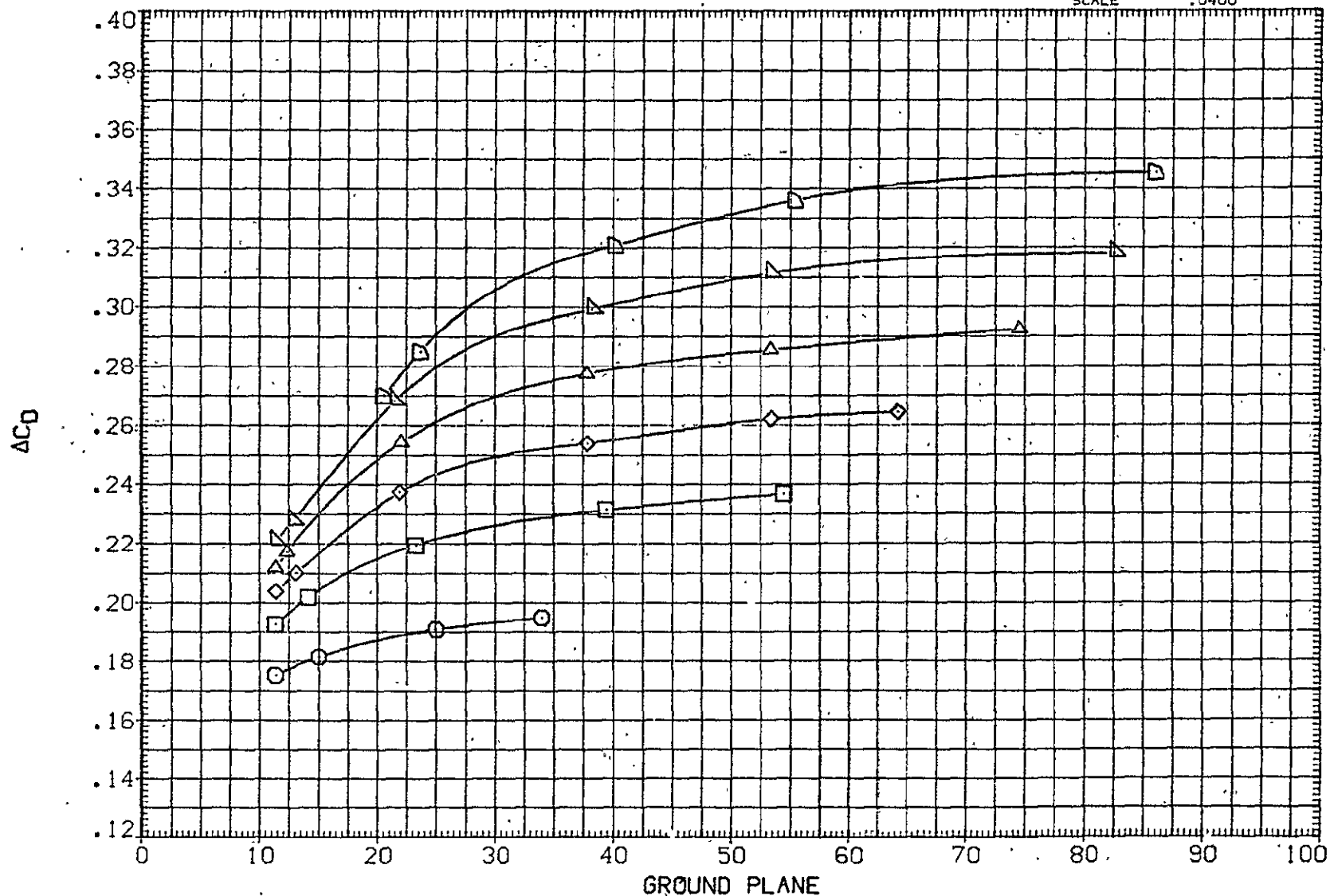


FIG 201 ALT CONFIG IN GROUND PROXIMITY, HORIZ OFF. FLAPS 30, IORB=6, TC OFF
CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE). GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(UJF229)	○	(CA-8) K3.1TS7 F30TS402G5.3.5	.216	6.000	.000	-5.000	SREF	5500.0000	50.FT.
(UJF230)	□	(CA-8) K3.1TS7 F30TS402G5.3.5	4.197	6.000	.000	-5.000	LREF	327.8000	IN.
(UJF231)	◇	(CA-8) K3.1TS7 F30TS402G5.3.5	6.094	6.000	.000	-5.000	BREF	2348.0000	IN.
(UJF232)	△	(CA-8) K3.1TS7 F30TS402G5.3.5	8.072	6.000	.000	-5.000	XMRP	1339.9100	IN.XC
(UJF233)	▽	(CA-8) K3.1TS7 F30TS402G5.3.5	10.131	6.000	.000	-5.000	YMRP	.0000	IN.YC
(UJF234)	◻	(CA-8) K3.1TS7 F30TS402G5.3.5	12.131	6.000	.000	-5.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

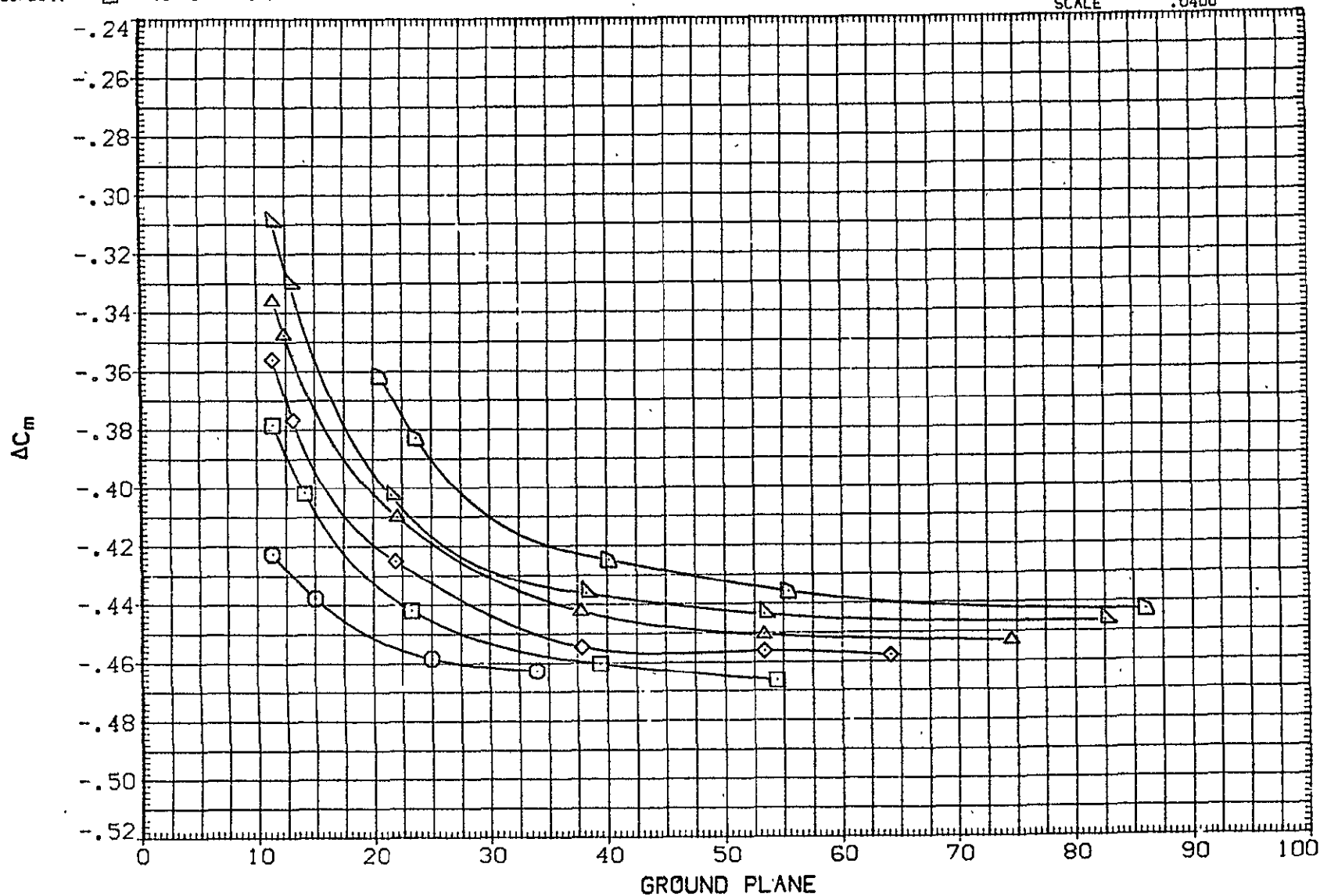


FIG 201 ALT CONFIG IN GROUND PROXIMITY, HORIZ OFF, FLAPS 30, IORB=6, TC OFF
CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), GP SWEEPS

(A)MACH = .15

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DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(UJF223)	□	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	.204	6.000	.000	-5.000	SREF	5500.0000	SQ.FT.
(UJF224)	◇	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	4.117	6.000	.000	-5.000	LREF	327.8000	IN.
(UJF225)	△	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	6.147	6.000	.000	-5.000	BREF	2348.0000	IN.
(UJF226)	▽	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	8.164	6.000	.000	-5.000	XMRP	1339.9100	IN.XC
(UJF227)	△	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	10.089	6.000	.000	-5.000	YMRP	.0000	IN.YC
(UJF228)	▽	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	12.121	6.000	.000	-5.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

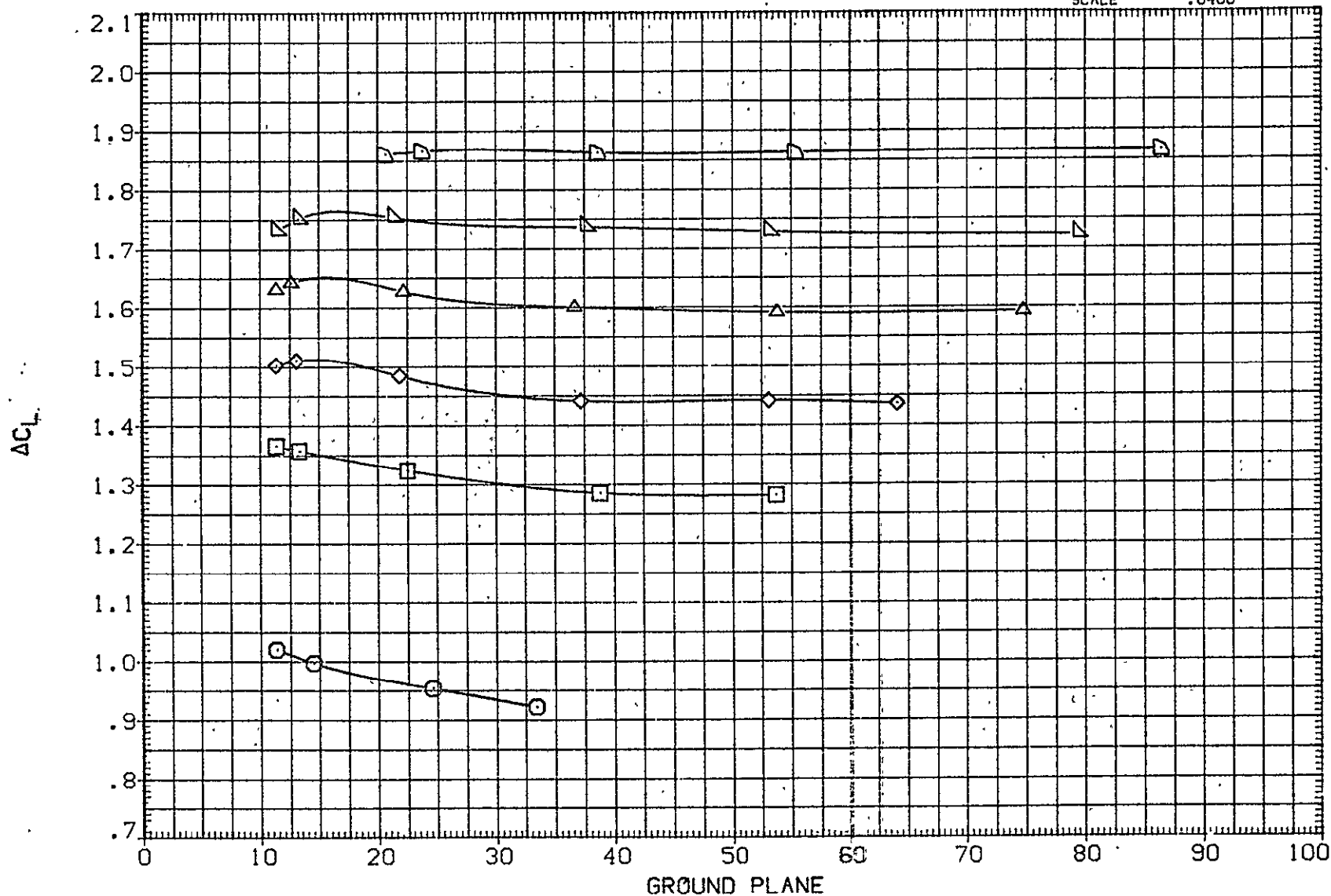


FIG 202 ALT CONFIG IN GROUND PROXIMITY, STAB = 2. FLAPS 30. IORB=6. TC OFF
CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(UJF223)	○	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	.204	6.000	.000	-5.000	SREF	5500.0000	SQ.FT.
(UJF224)	□	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	4.117	6.000	.000	-5.000	LREF	327.8000	IN.
(UJF225)	◇	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	6.147	6.000	.000	-5.000	BREF	2348.0000	IN.
(UJF226)	△	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	8.164	6.000	.000	-5.000	XMRP	1339.9100	IN.XC
(UJF227)	▽	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	10.089	6.000	.000	-5.000	YMRP	.0000	IN.YC
(UJF228)	▷	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	12.121	6.000	.000	-5.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

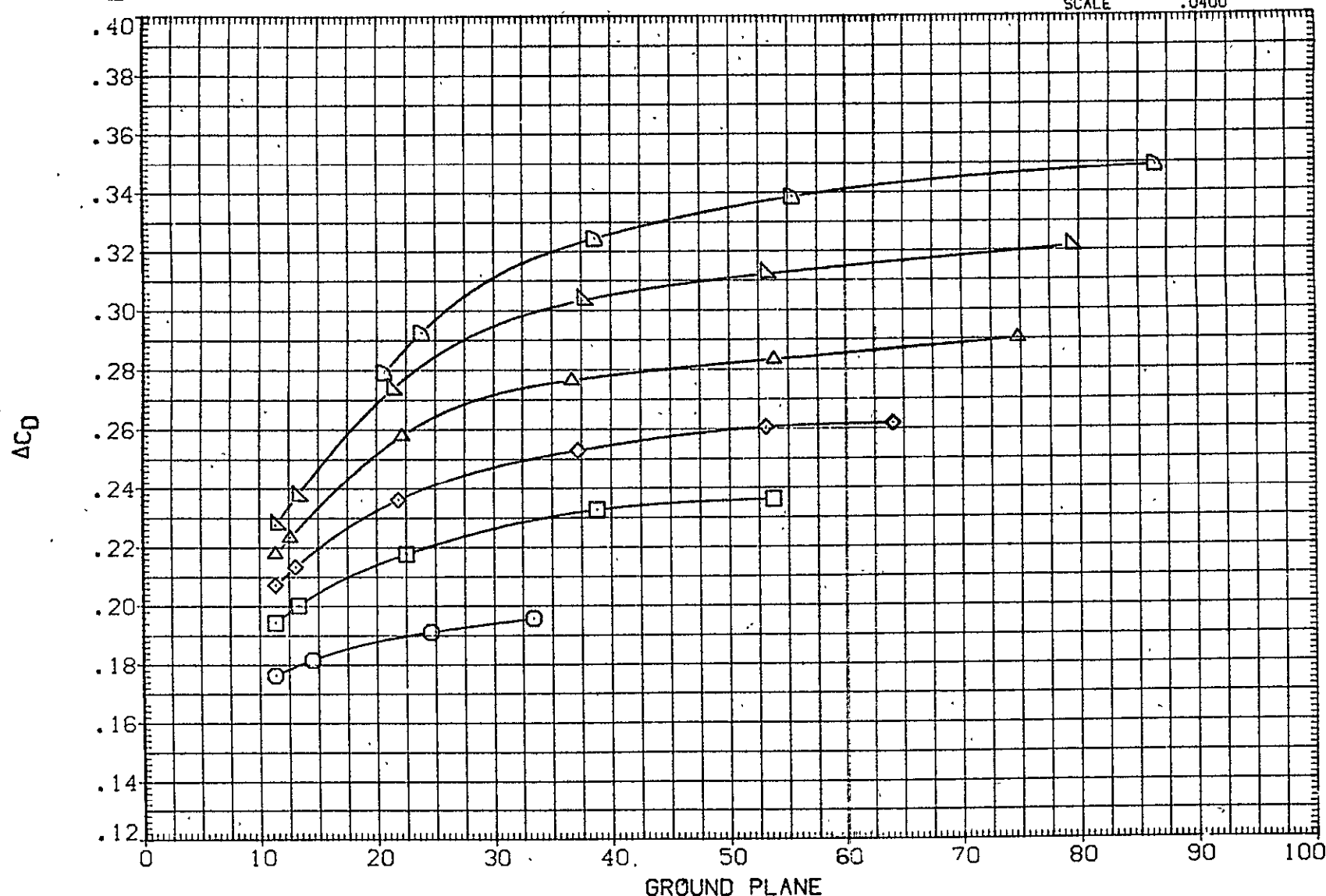


FIG 202 ALT CONFIG IN GROUND PROXIMITY, STAB = 2. FLAPS 30. IORB=6. TC OFF
 CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE). GP SWEEPS
 (A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA _W	I _{ORB}	B _D FLAP	ELEVON	REFERENCE INFORMATION		
(UJF223)	□	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	.204	6.000	.000	-5.000	SREF	5500.0000	SG.FT.
(UJF224)	◇	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	4.117	6.000	.000	-5.000	LREF	327.8000	IN.
(UJF225)	◇	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	6.147	6.000	.000	-5.000	BREF	2348.0000	IN.
(UJF226)	△	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	8.164	6.000	.000	-5.000	XM _{RP}	1339.9100	IN.XC
(UJF227)	△	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	10.089	6.000	.000	-5.000	YM _{RP}	.0000	IN.YC
(UJF228)	△	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	12.121	6.000	.000	-5.000	ZM _{RP}	190.7500	IN.ZC
							SCALE	.0400	

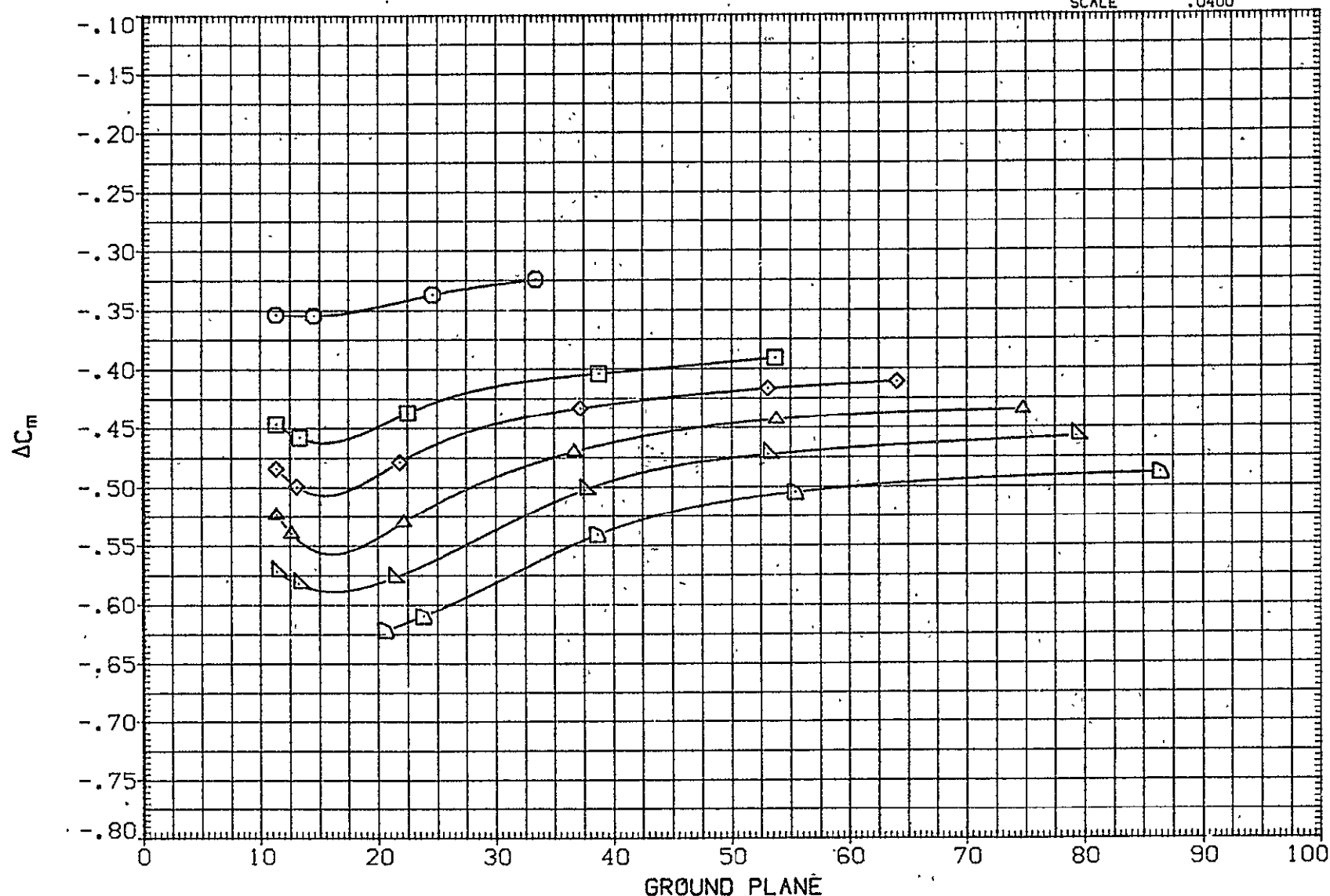


FIG 202 ALT CONFIG IN GROUND PROXIMITY, STAB = 2, FLAPS 30, I_{ORB}=6, TC OFF
CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), GP SWEEPS

(A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(UJF217)	○	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	.194	6.000	.000	-5.000	SREF	5500.0000	SQ.FT.
(UJF218)	□	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	4.059	6.000	.000	-5.000	LREF	327.8000	IN.
(UJF219)	◇	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	6.081	6.000	.000	-5.000	BREF	2348.0000	IN.
(UJF220)	△	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	8.162	6.000	.000	-5.000	XMRP	1339.9100	IN. XC
(UJF221)	▽	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	10.070	6.000	.000	-5.000	YMRP	.0000	IN. YC
(UJF222)	◻	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	12.211	6.000	.000	-5.000	ZMRP	190.7500	IN. ZC
							SCALE	.0400	

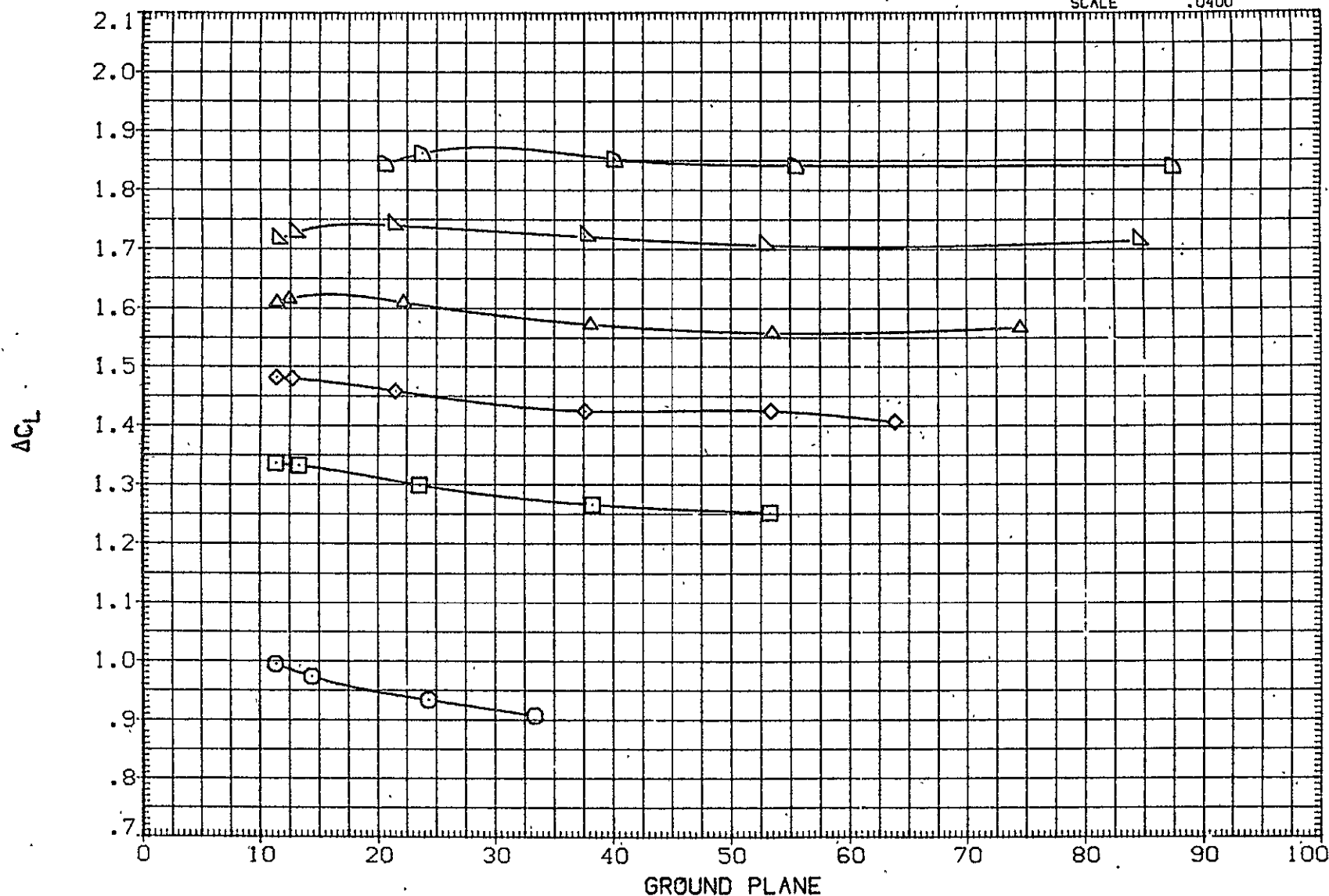


FIG 203 ALT CONFIG IN GROUND PROXIMITY, STAB = 0, FLAPS 30, IORB=6, TC OFF
CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), GP SWEEPS

(A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA _W	I _{ORB}	BD _{FLAP}	ELEV _{ON}	REFERENCE INFORMATION		
(UJF217)	○	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	.194	6.000	.000	-5.000	SREF	5500.0000	50.FT.
(UJF218)	□	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	4.059	6.000	.000	-5.000	LREF	327.8000	IN.
(UJF219)	◇	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	6.081	6.000	.000	-5.000	BREF	2348.0000	IN.
(UJF220)	△	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	8.162	6.000	.000	-5.000	XMRP	1339.9100	IN.XC
(UJF221)	▽	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	10.070	6.000	.000	-5.000	YMRP	.0000	IN.YC
(UJF222)	▽	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	12.211	6.000	.000	-5.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

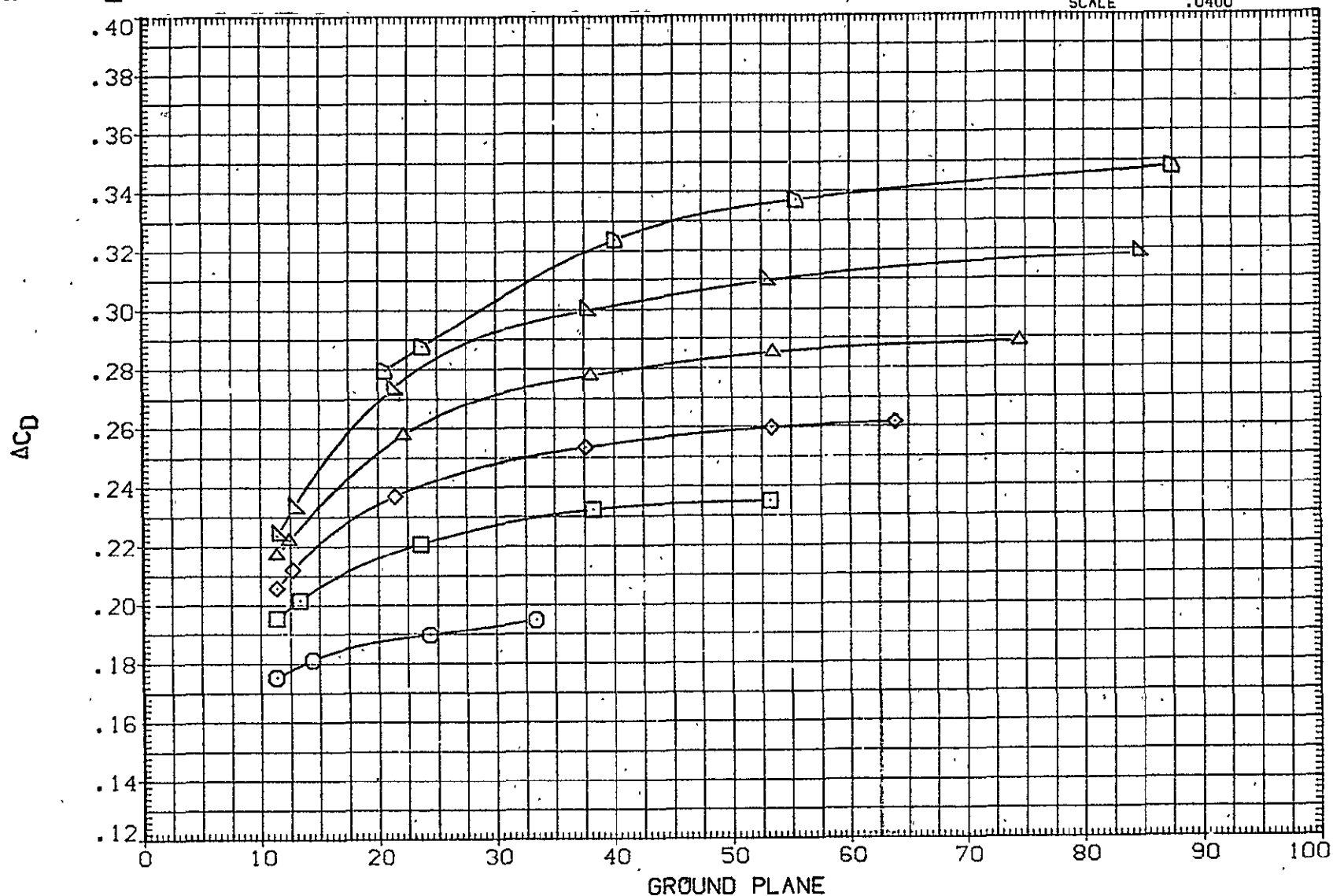


FIG 203 ALT CONFIG IN GROUND PROXIMITY. STAB = 0. FLAPS 30. I_{ORB}=6. TC OFF
CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE). GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	IORB	BOFLAP	ELEVON	REFERENCE INFORMATION		
(UJF217)	○	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	.194	6.000	.000	-5.000	SREF	5500.0000	SQ.FT.
(UJF218)	□	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	4.059	6.000	.000	-5.000	LREF	327.8000	IN.
(UJF219)	◇	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	6.081	6.000	.000	-5.000	BREF	2348.0000	IN.
(UJF220)	△	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	8.162	6.000	.000	-5.000	XMRP	1339.9100	IN.XC
(UJF221)	▽	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	10.070	6.000	.000	-5.000	YMRP	.0000	IN.YC
(UJF222)	◻	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	12.211	6.000	.000	-5.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

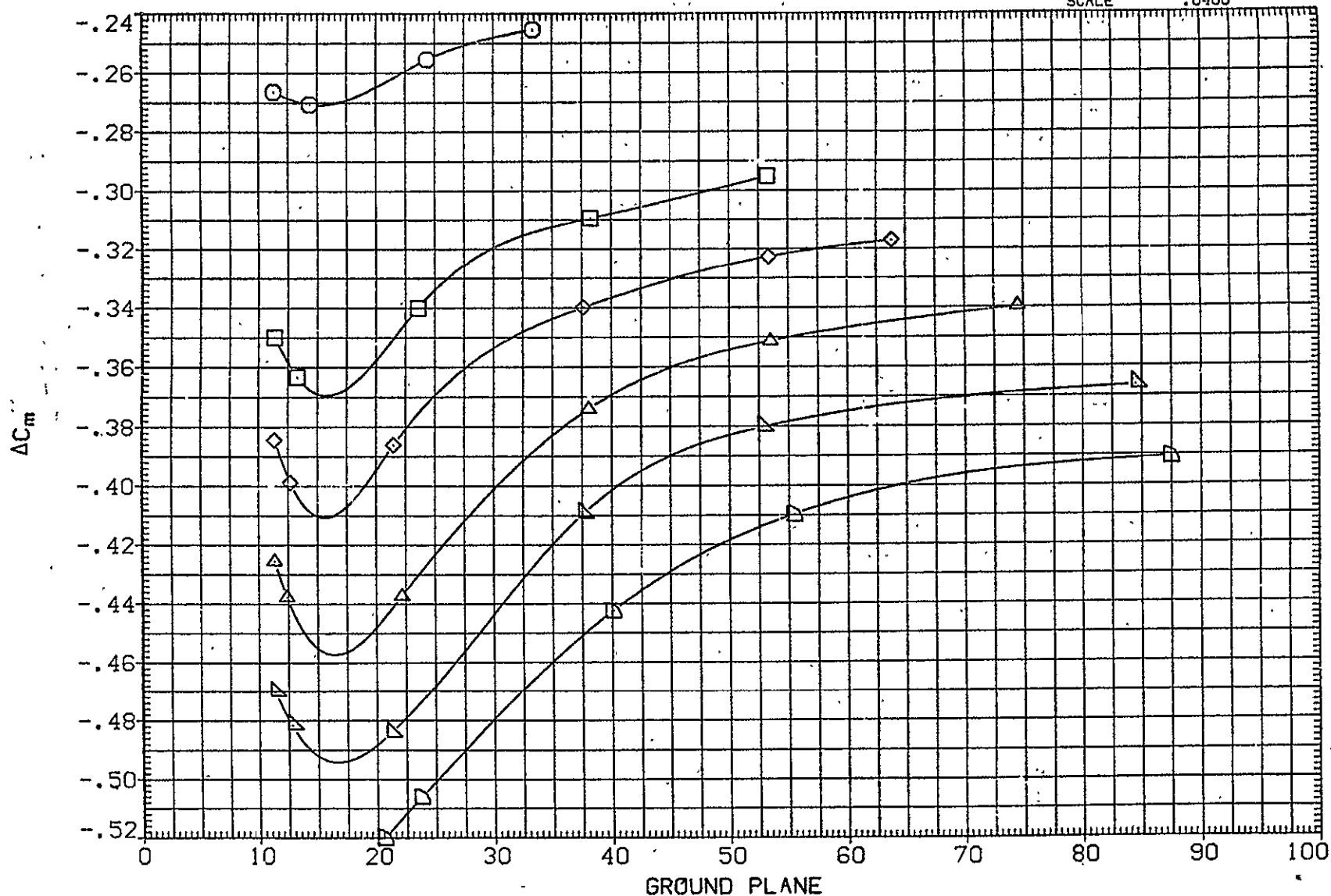


FIG 203 ALT CONFIG IN GROUND PROXIMITY. STAB = 0, FLAPS 30, IORB=6, TC OFF
 CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), GP SWEEPS
 (A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(UJF211)	□	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	.213	6.000	.000	-5.000	SREF	5500.0000	50.FT.
(UJF212)	◇	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	4.137	6.000	.000	-5.000	LREF	327.8000	IN.
(UJF213)	△	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	6.140	6.000	.000	-5.000	BREF	2348.0000	IN.
(UJF214)	▽	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	8.192	6.000	.000	-5.000	XMRF	1339.9100	IN.YC
(UJF215)	◻	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	10.124	6.000	.000	-5.000	YMRF	.0000	IN.YC
(UJF216)	◻	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	12.123	6.000	.000	-5.000	ZMRF	190.7500	IN.ZC
							SCALE	.0400	

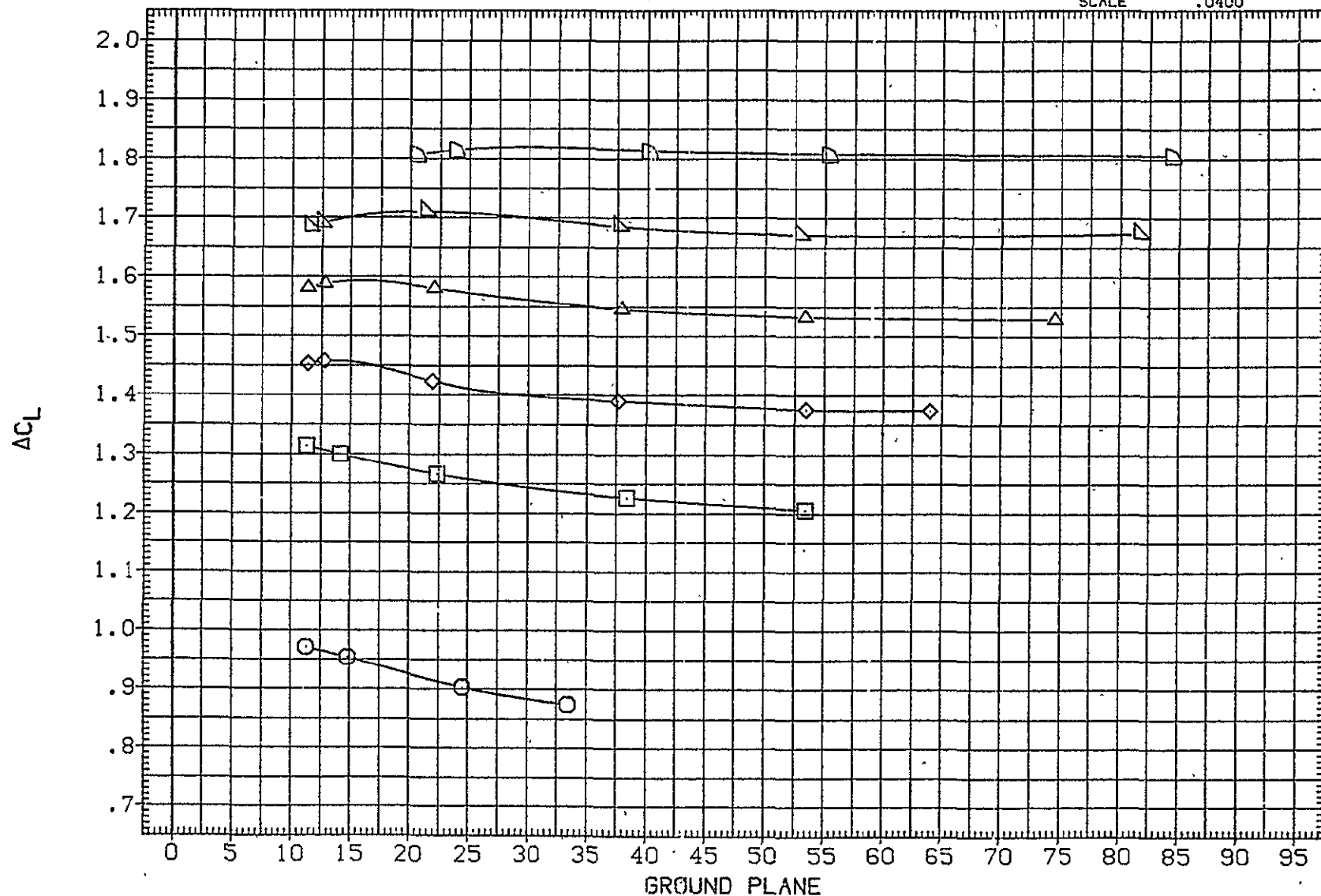


FIG 204 ALT CONFIG IN GROUND PROXIMITY, STAB = -2, FLAPS 30, IORB=6, TC OFF
CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(UJF211)	□	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	.213	6.000	.000	-5.000	SREF	5500.0000	SQ.FT.
(UJF212)	◇	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	4.137	6.000	.000	-5.000	LREF	327.8000	IN.
(UJF213)	△	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	6.140	6.000	.000	-5.000	BREF	2348.0000	IN.
(UJF214)	▽	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	8.192	6.000	.000	-5.000	XMRP	1339.9100	IN.XC
(UJF215)	◻	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	10.124	6.000	.000	-5.000	YMRP	.0000	IN.YC
(UJF216)	◼	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	12.123	6.000	.000	-5.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

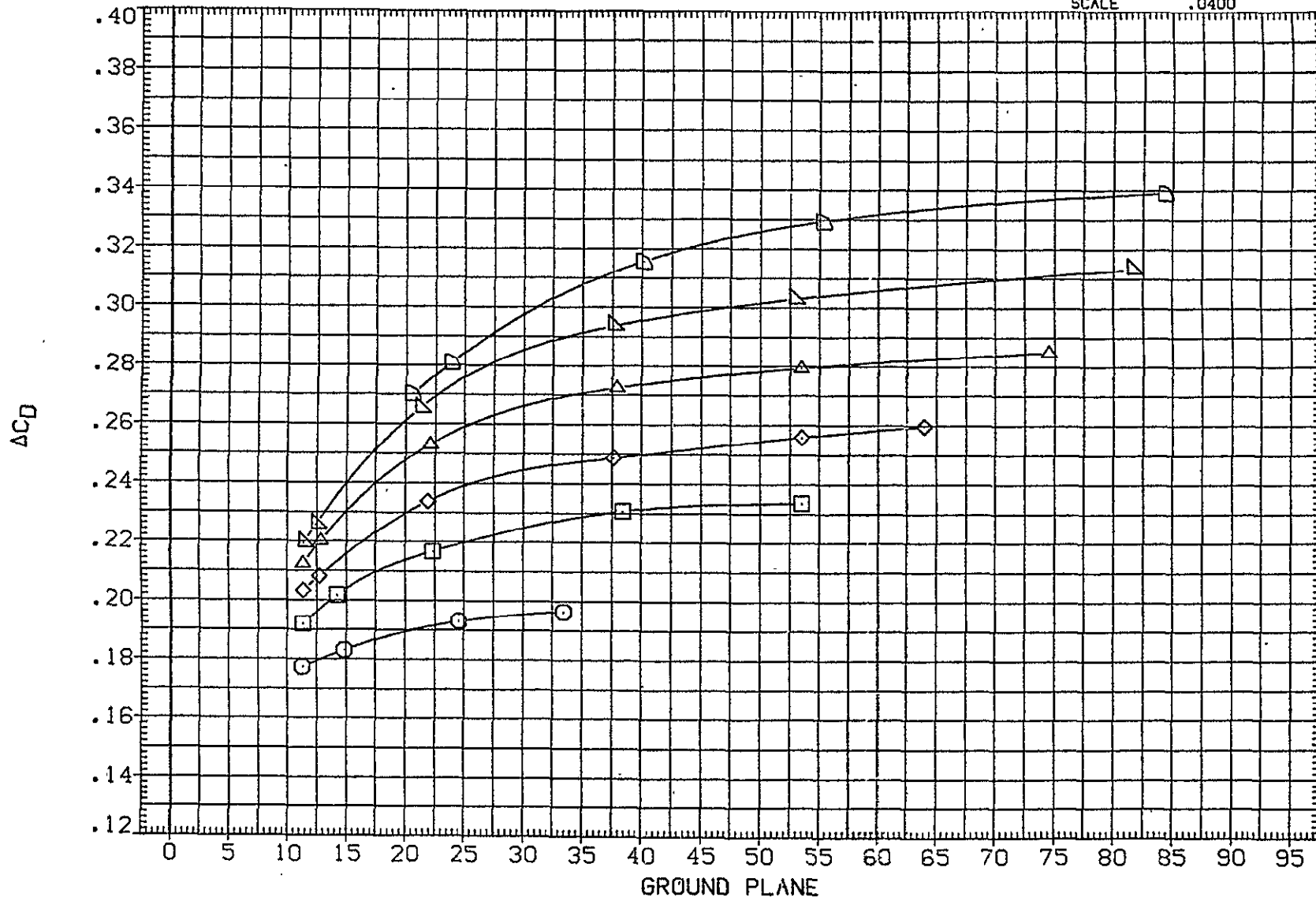


FIG 204 ALT CONFIG IN GROUND PROXIMITY, STAB = -2, FLAPS 30, IORB=6, TC OFF
 CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), GP SWEEPS
 (A)MACH = .15

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DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA _W	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(UJF211)	○	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	.213	6.000	.000	-5.000	SREF	5500.0000	SQ.FT.
(UJF212)	□	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	4.137	6.000	.000	-5.000	LREF	327.8000	IN.
(UJF213)	◇	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	6.140	6.000	.000	-5.000	BREF	2348.0000	IN.
(UJF214)	△	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	8.192	6.000	.000	-5.000	XMRP	1339.9100	IN.XC
(UJF215)	▽	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	10.124	6.000	.000	-5.000	YMRP	.0000	IN.YC
(UJF216)	◻	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	12.123	6.000	.000	-5.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

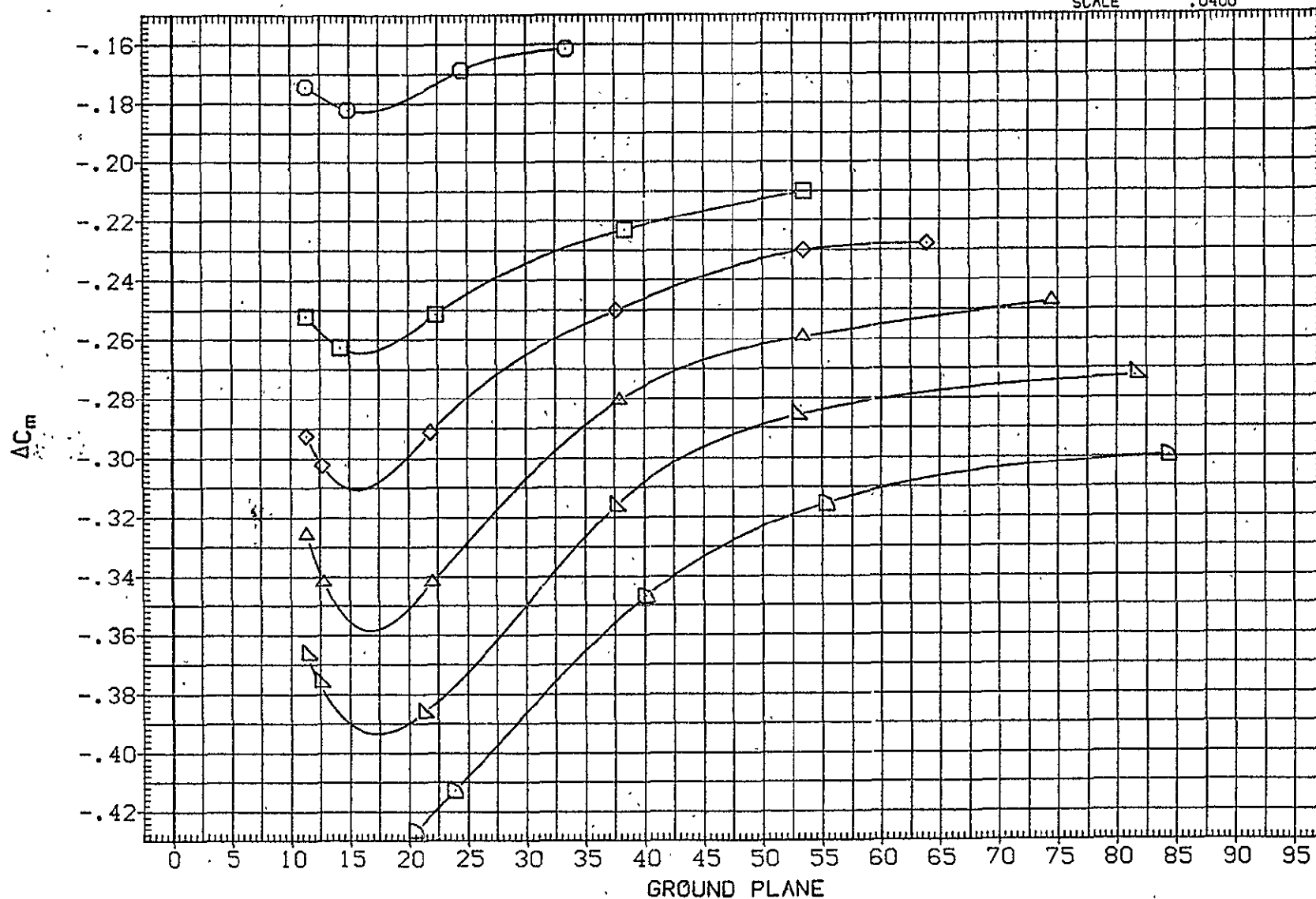


FIG 204 ALT CONFIG IN GROUND PROXIMITY, STAB = -2, FLAPS 30, IORB=6, TC OFF
CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(UJF235)	○	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	.234	6.000	.000	-5.000	SREF	5500.0000	50.FT.
(UJF236)	◇	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	4.036	6.000	.000	-5.000	LREF	327.8000	IN.
(UJF237)	◇	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	6.109	6.000	.000	-5.000	BREF	2348.0000	IN.
(UJF238)	△	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	8.123	6.000	.000	-5.000	XMRP	1339.9100	IN.XC
(UJF239)	△	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	10.152	6.000	.000	-5.000	YMRP	.0000	IN.YC
(UJF240)	△	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	12.091	6.000	.000	-5.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

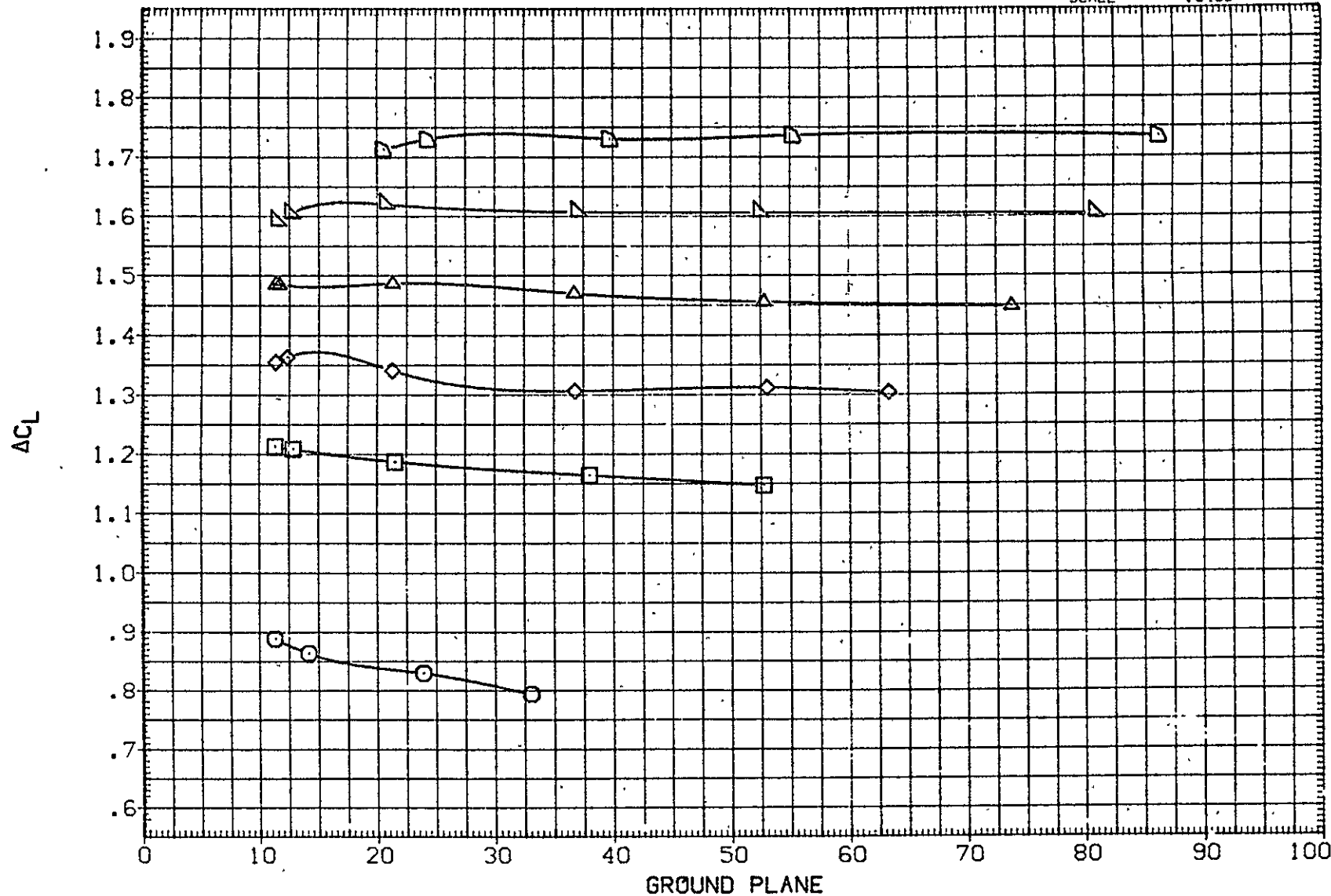


FIG 205 ALT CONFIG IN GROUND PROXIMITY, STAB = 0, ELEVTR=-23, IORB=6, TC OFF
CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(UJF235)	○	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	.234	6.000	.000	-5.000	SREF	5500.0000	SQ.FT.
(UJF236)	◇	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	4.036	6.000	.000	-5.000	LREF	327.8000	IN.
(UJF237)	◇	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	6.109	6.000	.000	-5.000	BREF	2348.0000	IN.
(UJF238)	△	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	8.123	6.000	.000	-5.000	XMRP	1339.9100	IN.XC
(UJF239)	△	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	10.152	6.000	.000	-5.000	YMRP	.0000	IN.YC
(UJF240)	△	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	12.091	6.000	.000	-5.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

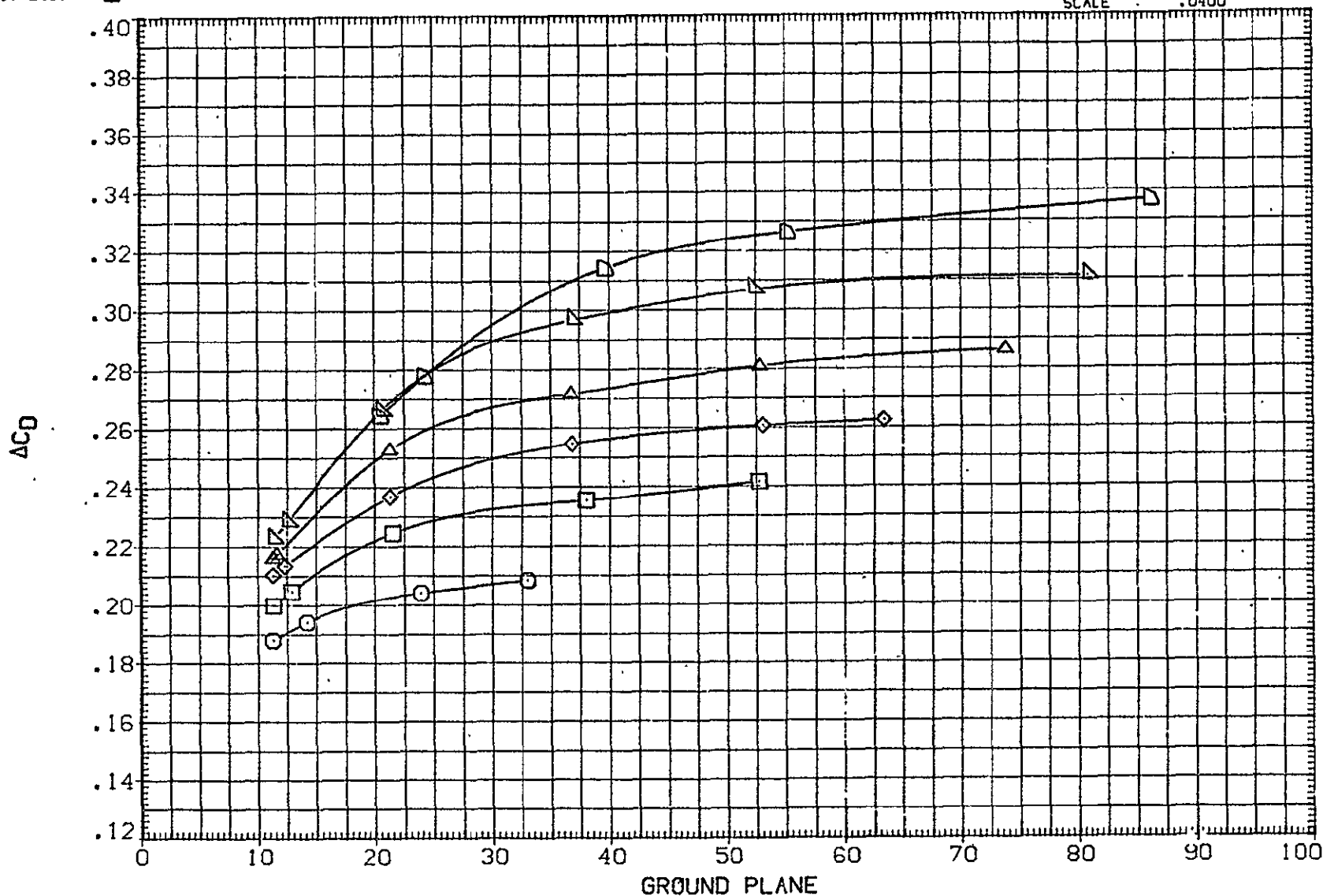


FIG 205 ALT CONFIG IN GROUND PROXIMITY. STAB = 0. ELEVTR=-23. IORB=6. TC OFF CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE). GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(UJF235)	□	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	.234	6.000	.000	-5.000	SREF	5500.0000	50.FT.
(UJF236)	◇	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	4.036	6.000	.000	-5.000	LREF	327.8000	IN.
(UJF237)	△	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	6.109	6.000	.000	-5.000	BREF	2348.0000	IN.
(UJF238)	▽	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	8.123	6.000	.000	-5.000	XMRF	1339.9100	IN.XC
(UJF239)	△	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	10.152	6.000	.000	-5.000	YMRP	.0000	IN.YC
(UJF240)	▽	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	12.091	6.000	.000	-5.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

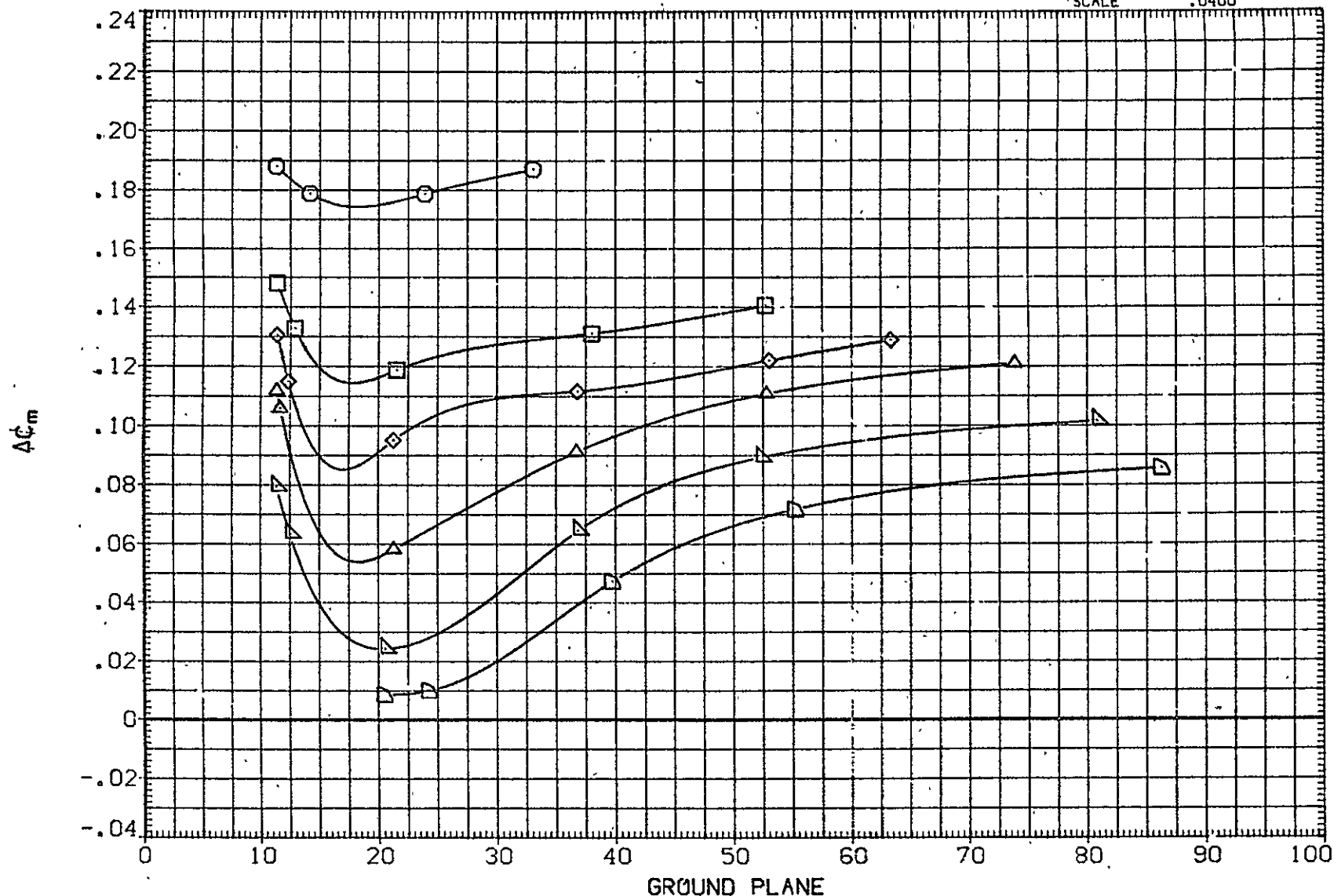


FIG 205. ALT CONFIG IN GROUND PROXIMITY, STAB = 0, ELEVTR=-23, IORB=6, TC OFF CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), GP SWEEPS

(A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	IORB	BOFLAP	ELEVON	REFERENCE INFORMATION		
(UJF506)	○	(CA-8) K3.1TS7 F20TS401G5.3.5	.111	8.000	-11.700	-5.000	SREF	5500.0000	50. FT.
(UJF507)	□	(CA-8) K3.1TS7 F20TS401G5.3.5	4.088	8.000	-11.700	-5.000	LREF	327.8000	IN.
(UJF508)	◇	(CA-8) K3.1TS7 F20TS401G5.3.5	6.138	8.000	-11.700	-5.000	BREF	2348.0000	IN.
(UJF509)	△	(CA-8) K3.1TS7 F20TS401G5.3.5	8.116	8.000	-11.700	-5.000	XMRP	1339.9100	IN. XC
							YMRP	.0000	IN. YC
							ZMRP	190.7500	IN. ZC
							SCALE	.0400	

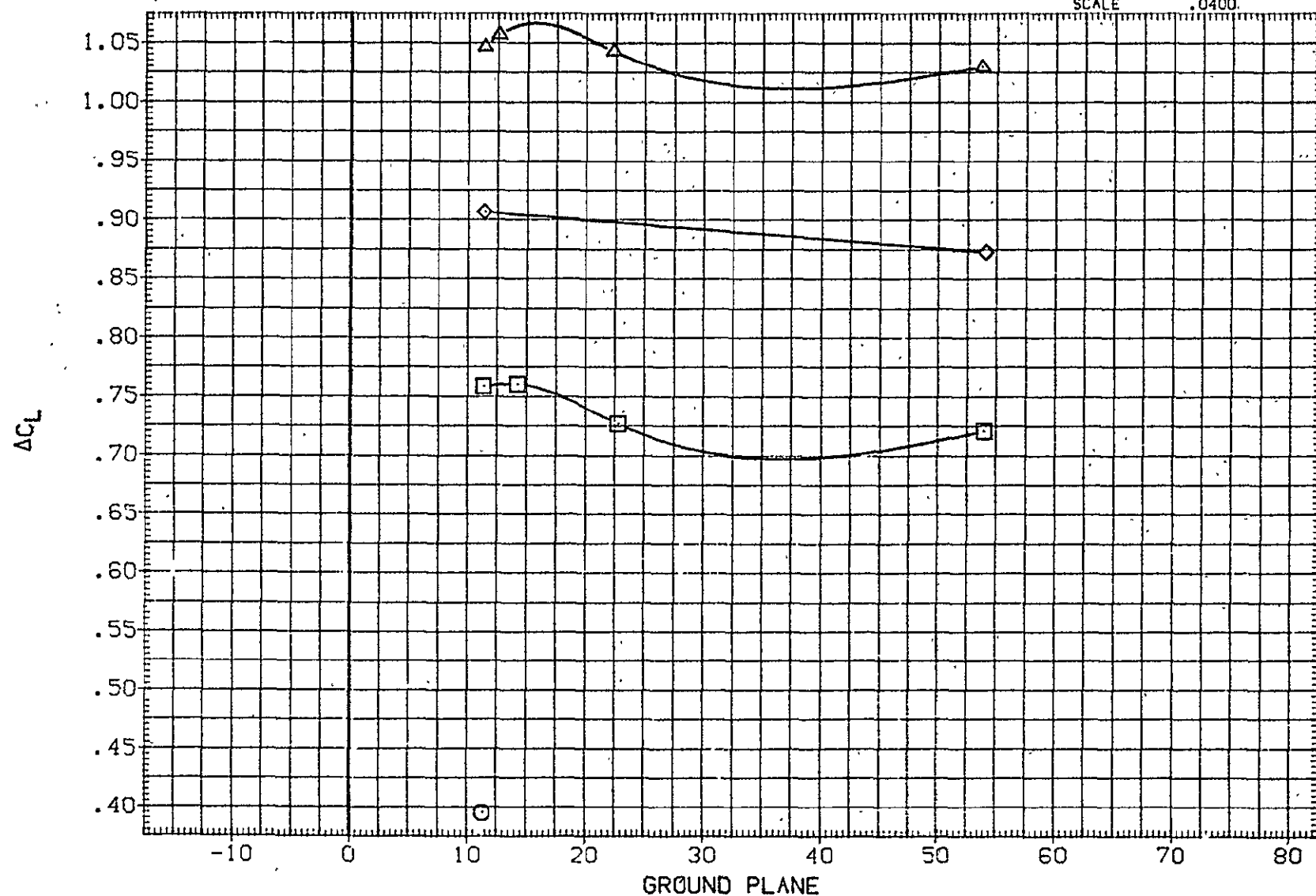


FIG 206 ALT CONFIG IN GROUND PROXIMITY. HORIZ OFF. FLAPS 20. IORB=8. TC ON CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE). GP SWEEPS

(A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION	DESCRIPTION	ALPHA	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(UJF506)	○	(CA-8) K3.1TS7	F20TS401G5.3.5	.111	8.000	-11.700	-5.000	SREF	5500.0000	SQ.FT.
(UJF507)	□	(CA-8) K3.1TS7	F20TS401G5.3.5	4.088	8.000	-11.700	-5.000	LREF	327.8000	IN.
(UJF508)	◇	(CA-8) K3.1TS7	F20TS401G5.3.5	6.138	8.000	-11.700	-5.000	BREF	2348.0000	IN.
(UJF509)	△	(CA-8) K3.1TS7	F20TS401G5.3.5	8.116	8.000	-11.700	-5.000	XMRP	1339.9100	N.XC
								YMRP	.0000	IN.YC
								ZMRP	190.7500	IN.ZC
								SCALE	.0400	

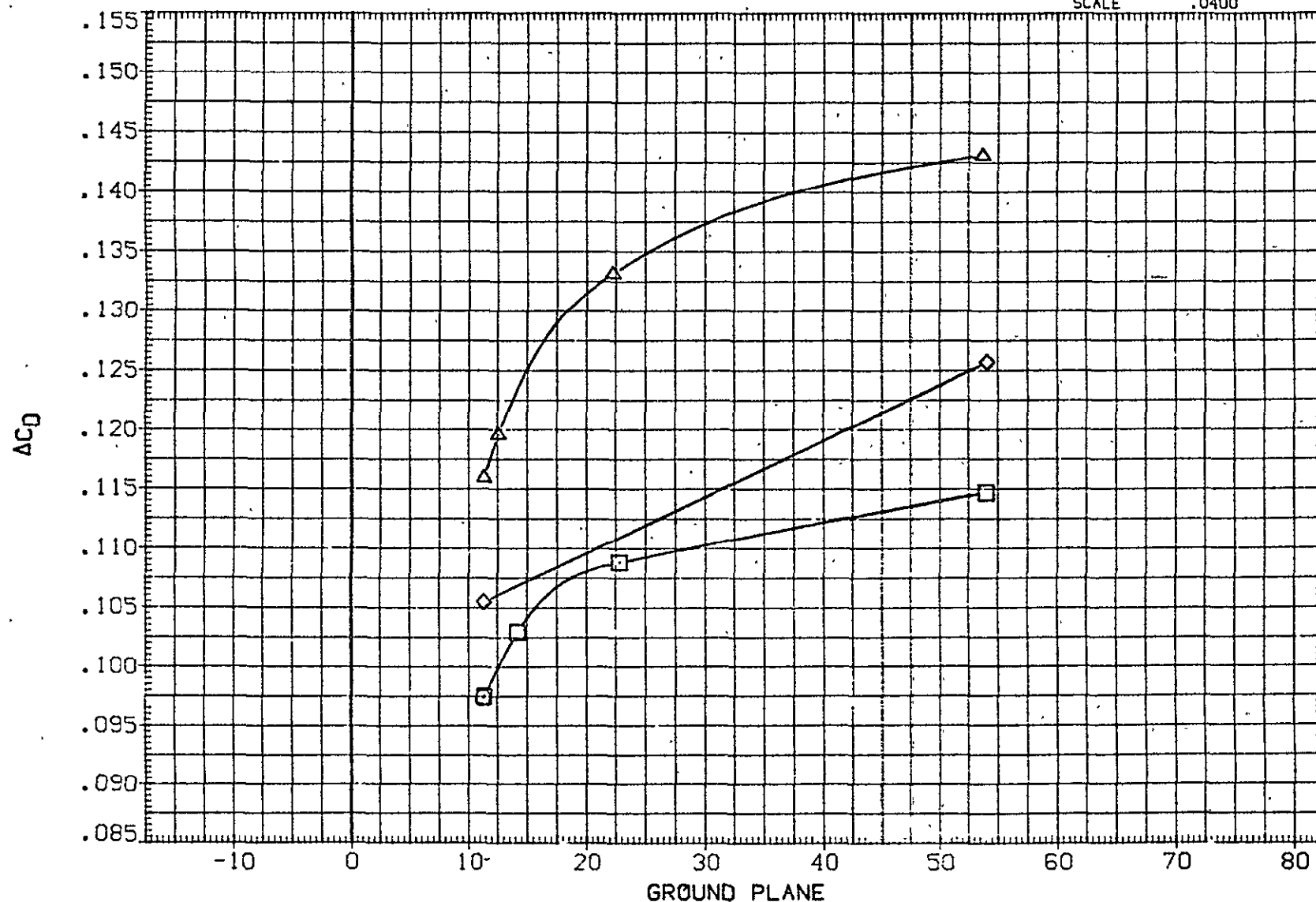


FIG 206 ALT CONFIG IN GROUND PROXIMITY, HORIZ OFF. FLAPS 20. IORB=8, TC ON CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	IORB	BDCLAP	ELEVON	REFERENCE INFORMATION
(UJF506)	○	(CA-8) K3.1TS7 F20TS40165.3.5	.111	8.000	-11.700	-5.000	SREF 5500.0000 SQ.FT.
(UJF507)	□	(CA-8) K3.1TS7 F20TS40165.3.5	4.088	8.000	-11.700	-5.000	LREF 327.8000 IN.
(UJF508)	◇	(CA-8) K3.1TS7 F20TS40165.3.5	6.138	8.000	-11.700	-5.000	BREF 2348.0000 IN.
(UJF509)	△	(CA-8) K3.1TS7 F20TS40165.3.5	8.116	8.000	-11.700	-5.000	XMRP 1339.9100 IN.XC
							YMRP .0000 IN.YC
							ZMRP 190.7500 IN.ZC
							SCALE .0400

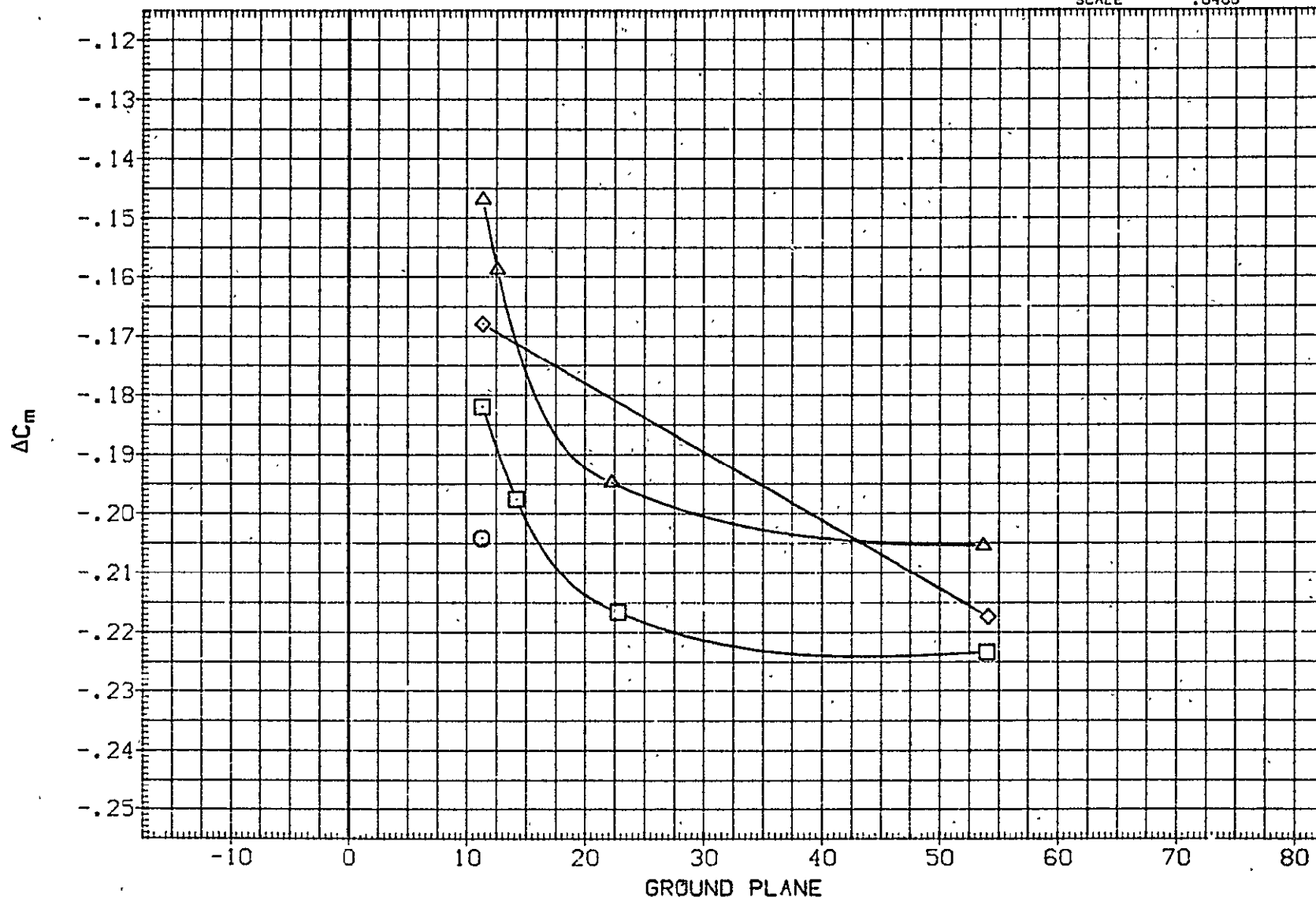


FIG 206 ALT CONFIG IN GROUND PROXIMITY, HORIZ OFF, FLAPS 20, IORB=8, TC ON
CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), GP SWEEPS

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(UJF500)	○	(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5	.171	8.000	-11.700	-5.000	SREF	5500.0000	50.FT.
(UJF501)	□	(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5	4.131	8.000	-11.700	-5.000	LREF	327.8000	IN.
(UJF502)	◇	(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5	6.158	8.000	-11.700	-5.000	BREF	2348.0000	IN.
(UJF503)	△	(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5	8.117	8.000	-11.700	-5.000	XMRF	1339.9100	IN.XC
(UJF504)	▽	(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5	10.134	8.000	-11.700	-5.000	YMRP	.0000	IN.YC
(UJF505)	◻	(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5	12.118	8.000	-11.700	-5.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

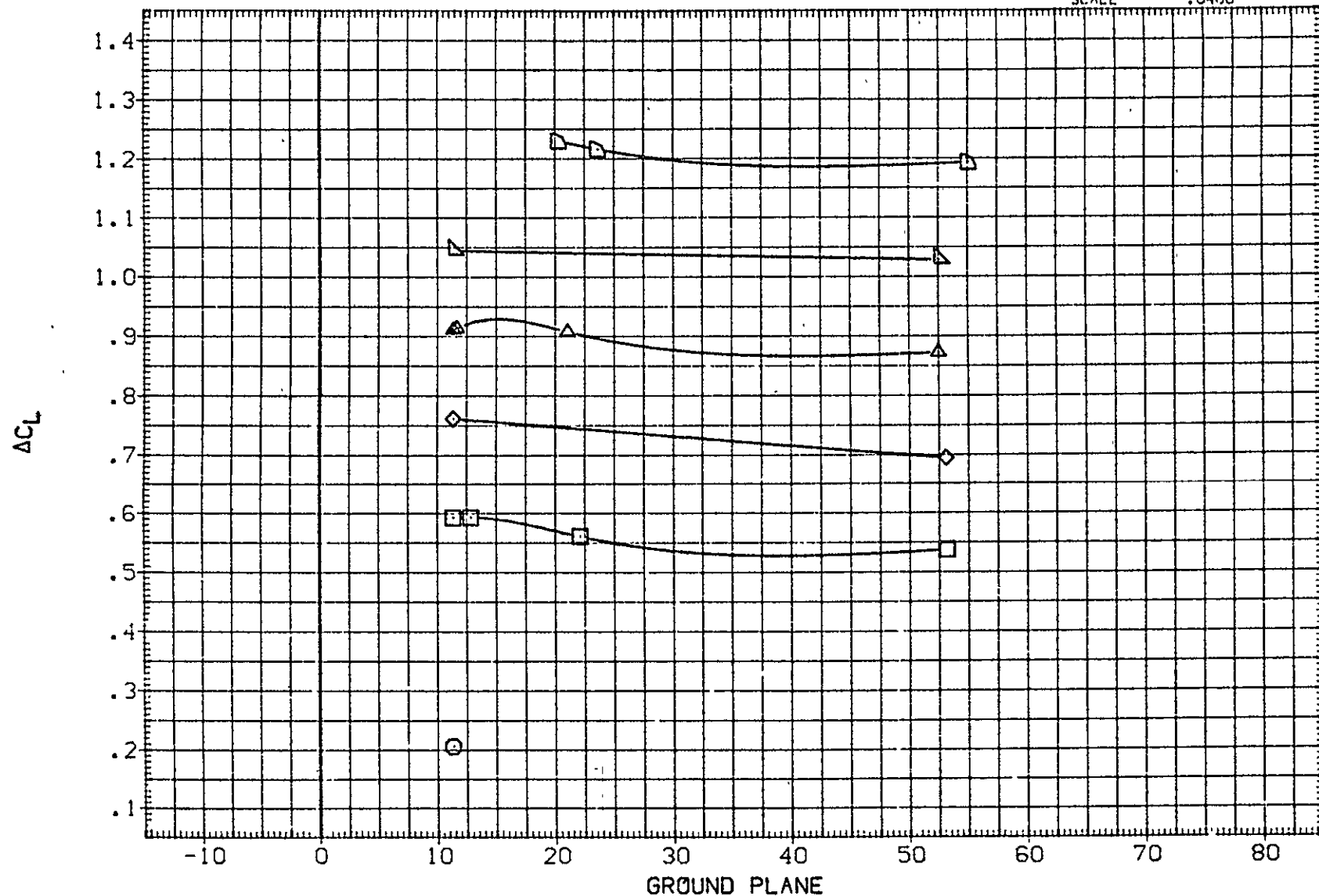


FIG 207 ALT CONFIG IN GROUND PROXIMITY. STAB = 0. ELEVTR=-23. IORB=8. TC ON CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE). GP SWEEPS.

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(UJF500)	□	(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5	.171	8.000	-11.700	-5.000	SREF	5500.0000	SQ.FT.
(UJF501)	◇	(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5	4.131	8.000	-11.700	-5.000	LREF	327.8000	IN.
(UJF502)	△	(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5	6.158	8.000	-11.700	-5.000	BREF	2348.0000	IN.
(UJF503)	▽	(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5	8.117	8.000	-11.700	-5.000	XMRF	1339.9100	IN.XC
(UJF504)	◻	(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5	10.134	8.000	-11.700	-5.000	YMRP	.0000	IN.YC
(UJF505)	◼	(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5	12.118	8.000	-11.700	-5.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

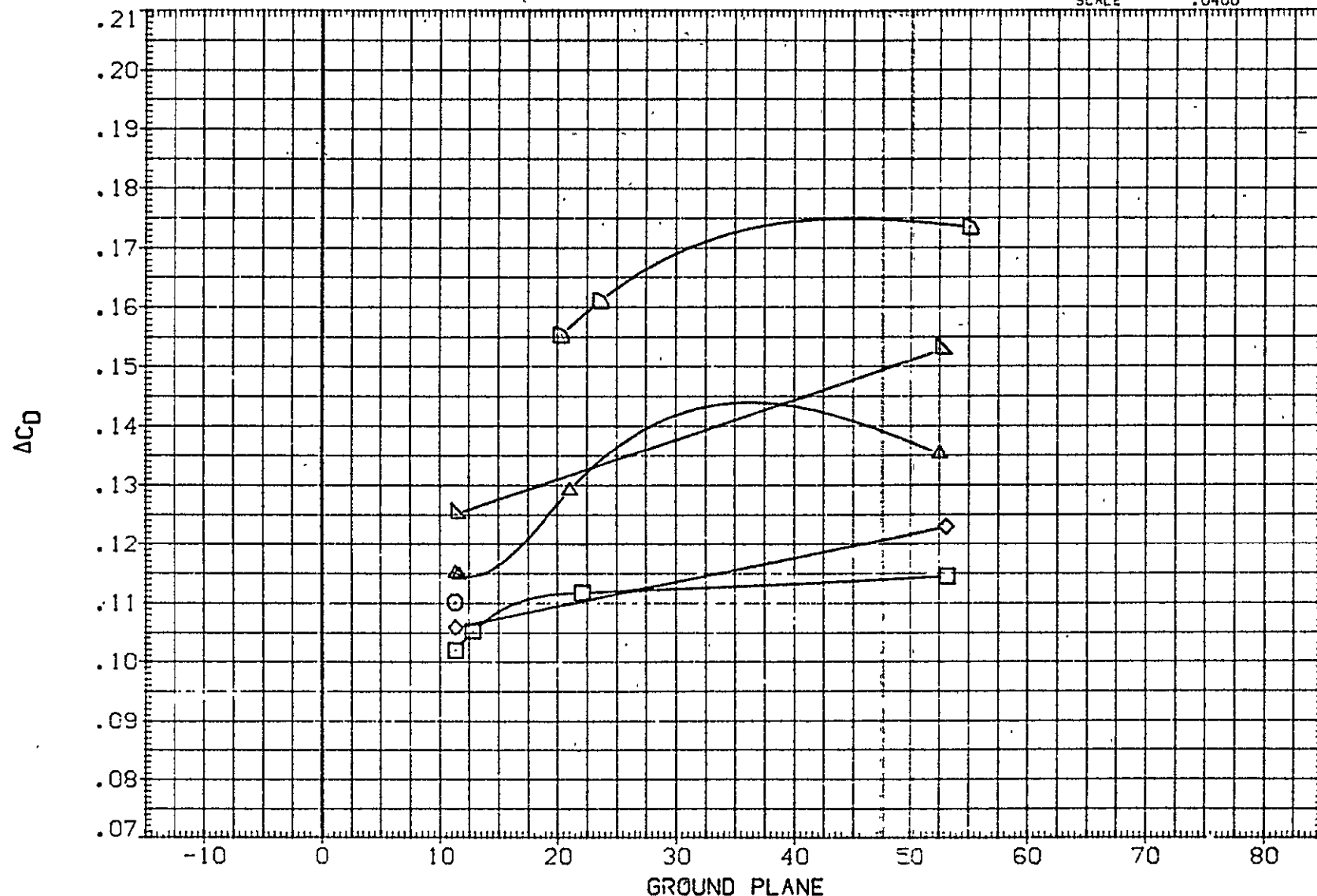


FIG 207 ALT CONFIG IN GROUND PROXIMITY. STAB = 0. ELEVTR=-23. IORB=8. TC ON CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE). GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(UJF500)	○	(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5	.171	8.000	-11.700	-5.000	SREF	5500.0000	SQ.FT.
(UJF501)	□	(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5	4.131	8.000	-11.700	-5.000	LREF	327.8000	IN.
(UJF502)	◇	(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5	6.158	8.000	-11.700	-5.000	BREF	2348.0000	IN.
(UJF503)	△	(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5	8.117	8.000	-11.700	-5.000	XM RP	1339.9100	IN.XC
(UJF504)	▽	(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5	10.134	8.000	-11.700	-5.000	YM RP	.0000	IN.YC
(UJF505)	◻	(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5	12.118	8.000	-11.700	-5.000	ZM RP	190.7500	IN.ZC
							SCALE	.0400	

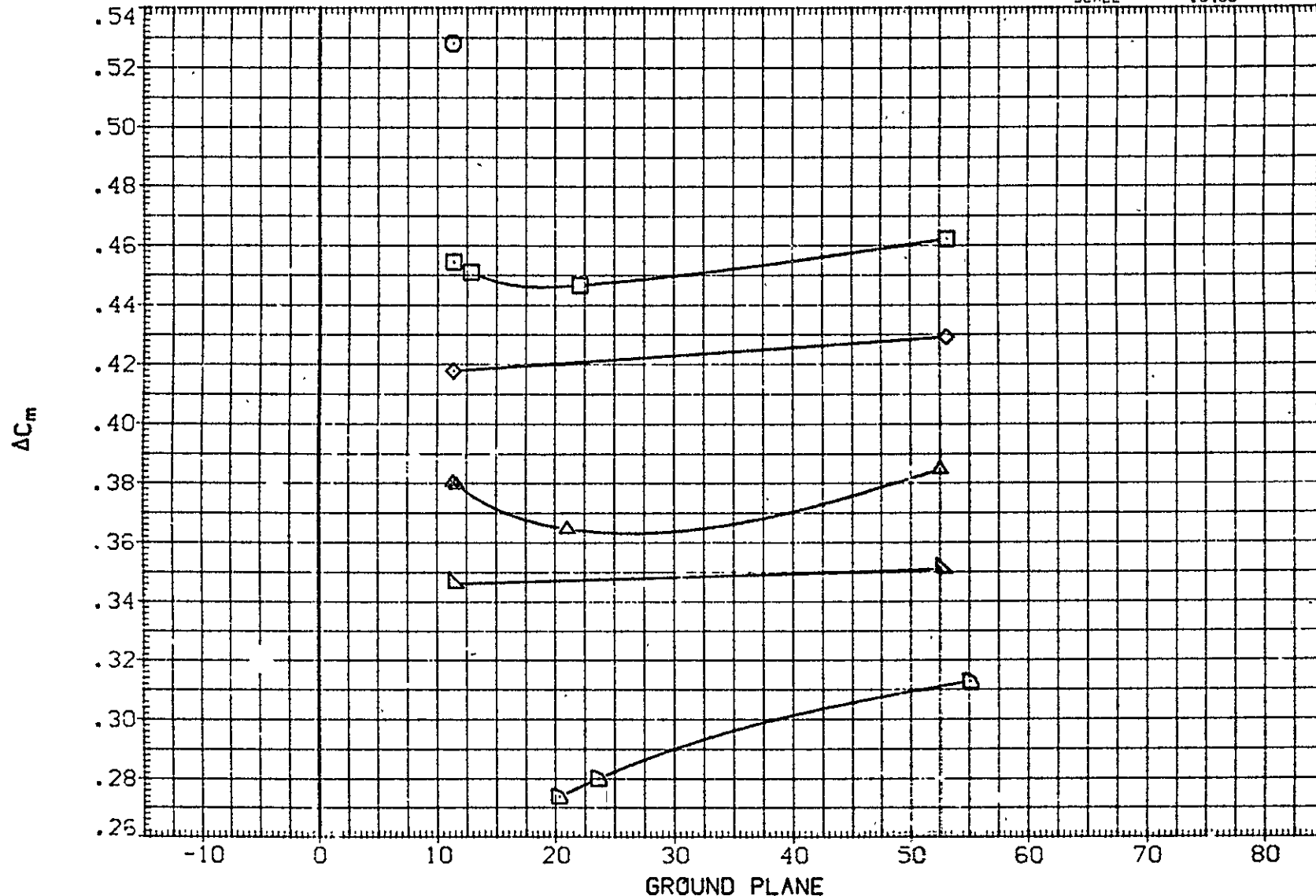


FIG 207 ALT CONFIG IN GROUND PROXIMITY, STAB = 0. ELEVTR=-23. IORB=8. TC ON CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE). GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(UJF291)	○	(CA-8) K3.1TS7 F30TS40165.3.5	.231	8.000	-11.700	-5.000	SREF	5500.0000	SQ.FT.
(UJF292)	◇	(CA-8) K3.1TS7 F30TS40165.3.5	4.088	8.000	-11.700	-5.000	LREF	327.8000	IN.
(UJF293)	□	(CA-8) K3.1TS7 F30TS40165.3.5	6.232	8.000	-11.700	-5.000	BREF	2348.0000	IN.
(UJF294)	△	(CA-8) K3.1TS7 F30TS40165.3.5	8.170	8.000	-11.700	-5.000	XMRP	1339.9100	IN.XC
(UJF295)	▽	(CA-8) K3.1TS7 F30TS40165.3.5	10.141	8.000	-11.700	-5.000	YMRP	.0000	IN.YC
(UJF296)	▷	(CA-8) K3.1TS7 F30TS40165.3.5	12.141	8.000	-11.700	-5.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

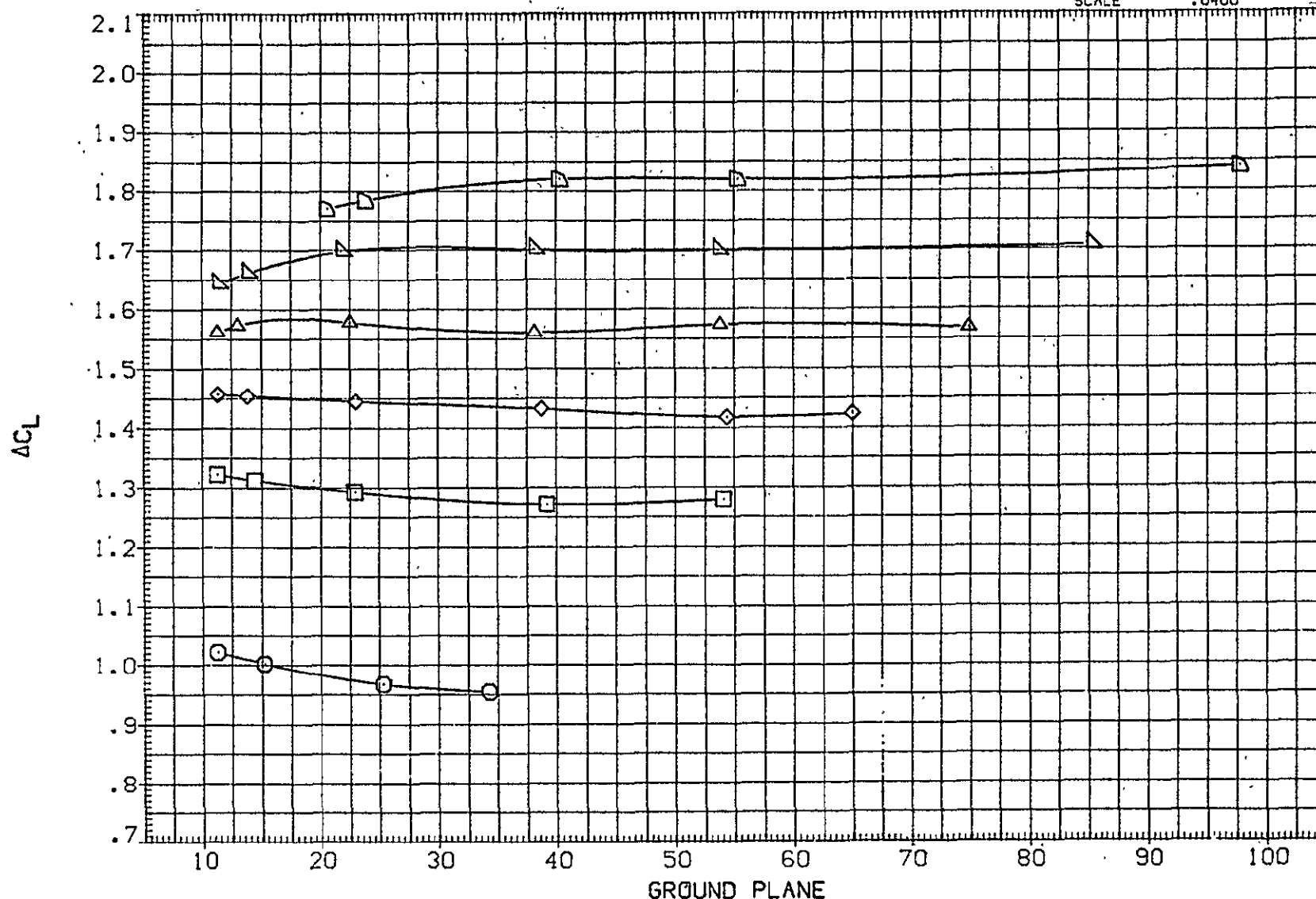


FIG 208 ALT CONFIG IN GROUND PROXIMITY, HORIZ OFF. FLAPS 30. IORB=8. TC ON
CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), GP SWEEPS

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	IORB	BOFLAP	ELEVON	REFERENCE INFORMATION		
(UJF291)	□	(CA-8) K3.1TS7 F30TS40165.3.5	.231	8.000	-11.700	-5.000	SREF	5500.0000	SQ.FT.
(UJF292)	◇	(CA-8) K3.1TS7 F30TS40165.3.5	4.088	8.000	-11.700	-5.000	LREF	327.8000	IN.
(UJF293)	△	(CA-8) K3.1TS7 F30TS40165.3.5	6.232	8.000	-11.700	-5.000	BREF	2348.0000	IN.
(UJF294)	▽	(CA-8) K3.1TS7 F30TS40165.3.5	8.170	8.000	-11.700	-5.000	XMHP	1339.9100	IN.XC
(UJF295)	△	(CA-8) K3.1TS7 F30TS40165.3.5	10.141	8.000	-11.700	-5.000	YMHP	.0000	IN.YC
(UJF296)	▽	(CA-8) K3.1TS7 F30TS40165.3.5	12.141	8.000	-11.700	-5.000	ZMHP	190.7500	IN.ZC
							SCALE	.0400	

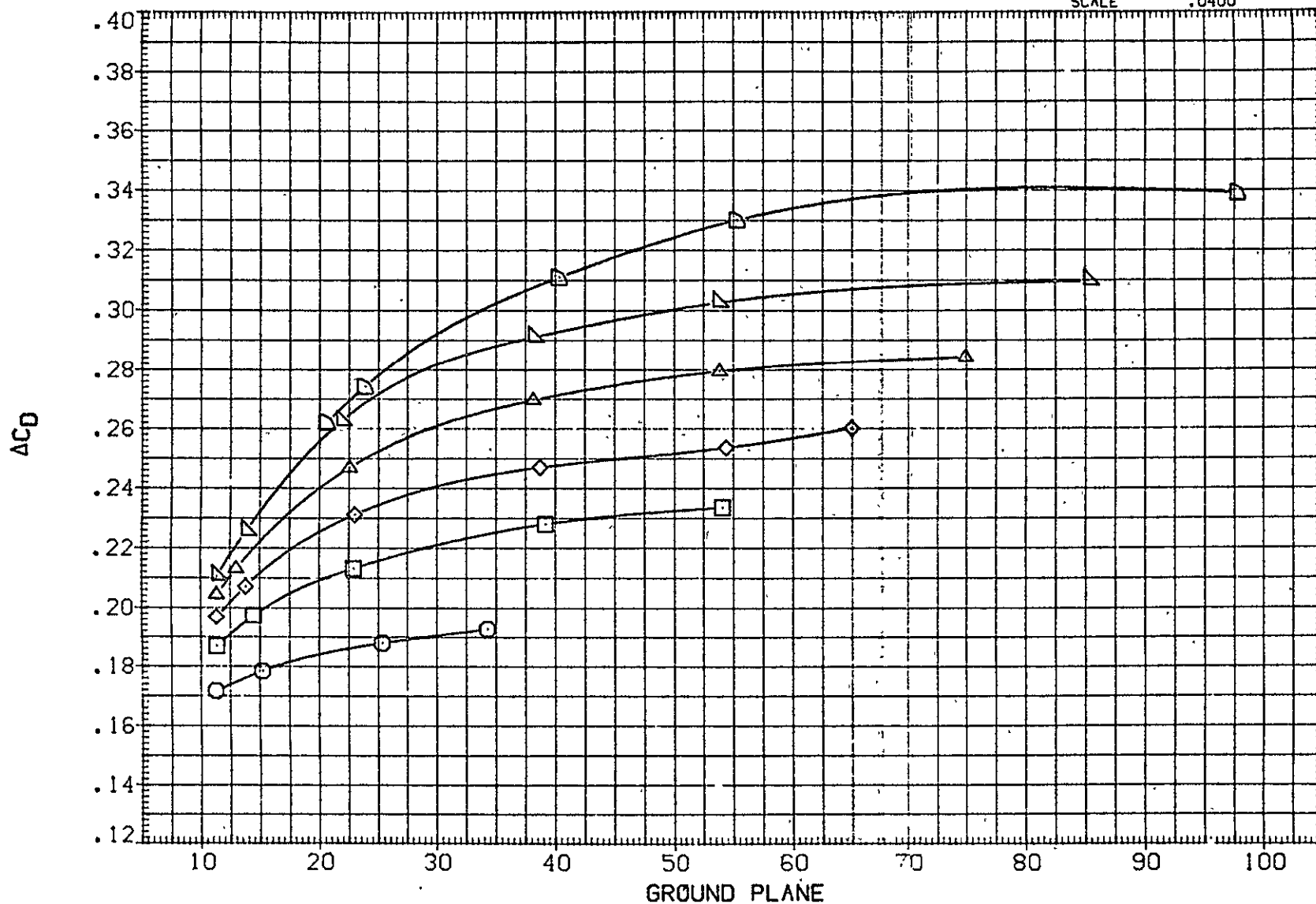


FIG 208 ALT CONFIG IN GROUND PROXIMITY. HORIZ OFF. FLAPS 30. IORB=8. TC ON CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE). GP SWEEPS

(A)MACH = .16

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(UJF291)	○	(CA-8) K3.1TS7 F30TS40165.3.5	.231	8.000	-11.700	-5.000	SREF	5500.0000	50. FT.
(UJF292)	□	(CA-8) K3.1TS7 F30TS40165.3.5	4.088	8.000	-11.700	-5.000	LREF	327.8000	IN.
(UJF293)	◇	(CA-8) K3.1TS7 F30TS40165.3.5	6.232	8.000	-11.700	-5.000	BREF	2348.0000	IN.
(UJF294)	△	(CA-8) K3.1TS7 F30TS40165.3.5	8.170	8.000	-11.700	-5.000	XMRP	1339.9100	IN. XC
(UJF295)	▽	(CA-8) K3.1TS7 F30TS40165.3.5	10.141	8.000	-11.700	-5.000	YMRP	.0000	IN. YC
(UJF296)	◻	(CA-8) K3.1TS7 F30TS40165.3.5	12.141	8.000	-11.700	-5.000	ZMRP	190.7500	IN. ZC
							SCALE	.0400	

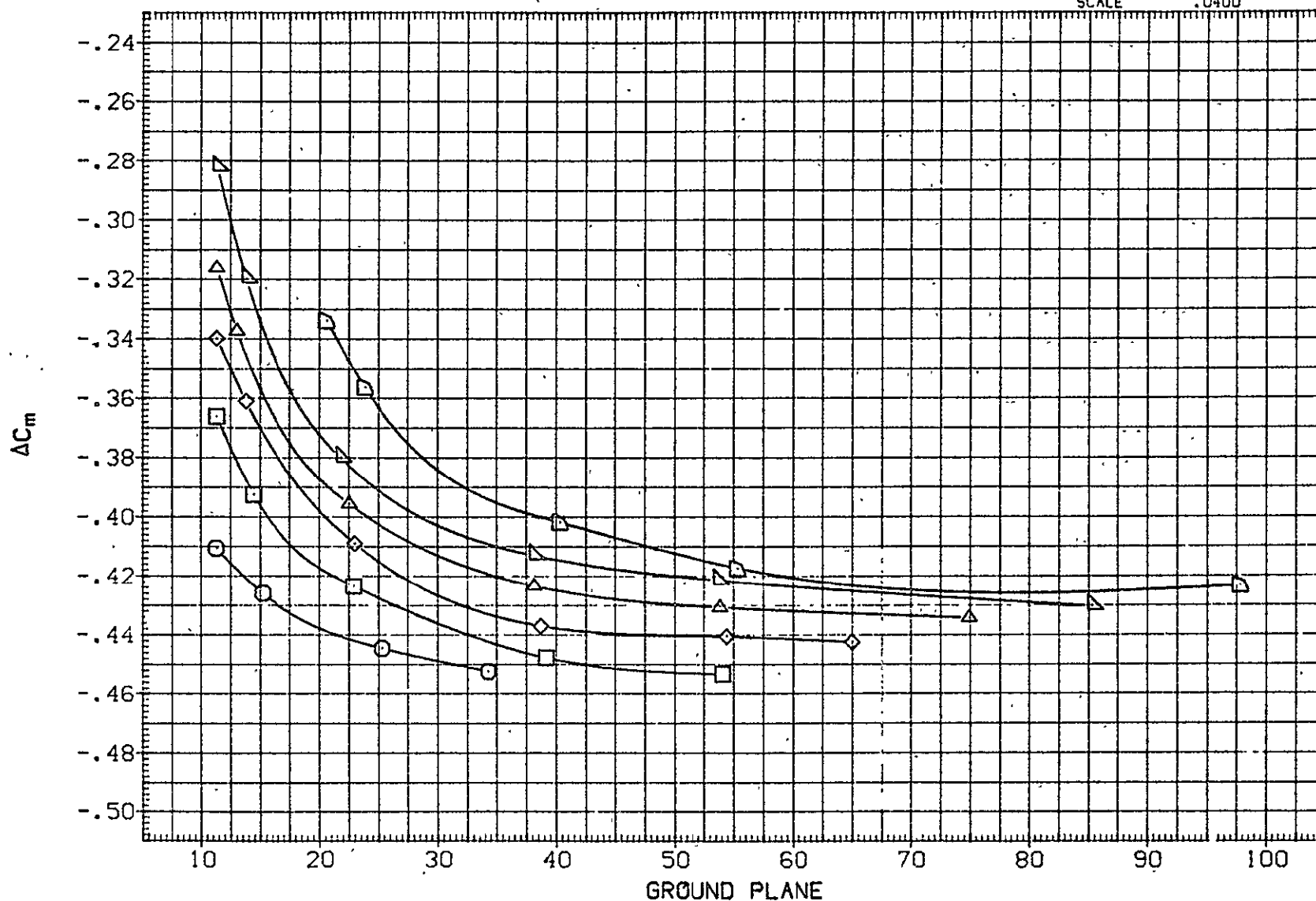


FIG 208 ALT CONFIG IN GROUND PROXIMITY, HORIZ OFF. FLAPS 30. IORB=8, TC ON CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), GP SWEEPS

(A) MACH = .16

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(UJF285)	○	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	.120	8.000	-11.700	-5.000	SREF	5500.0000	SQ.FT.
(UJF286)	□	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	4.113	8.000	-11.700	-5.000	LREF	327.8000	IN.
(UJF287)	◇	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	6.125	8.000	-11.700	-5.000	BREF	2348.0000	IN.
(UJF288)	△	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	8.199	8.000	-11.700	-5.000	XMRP	1339.9100	IN.XC
(UJF289)	▽	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	10.130	8.000	-11.700	-5.000	YMRP	.0000	IN.YC
(UJF290)	◻	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	12.171	8.000	-11.700	-5.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

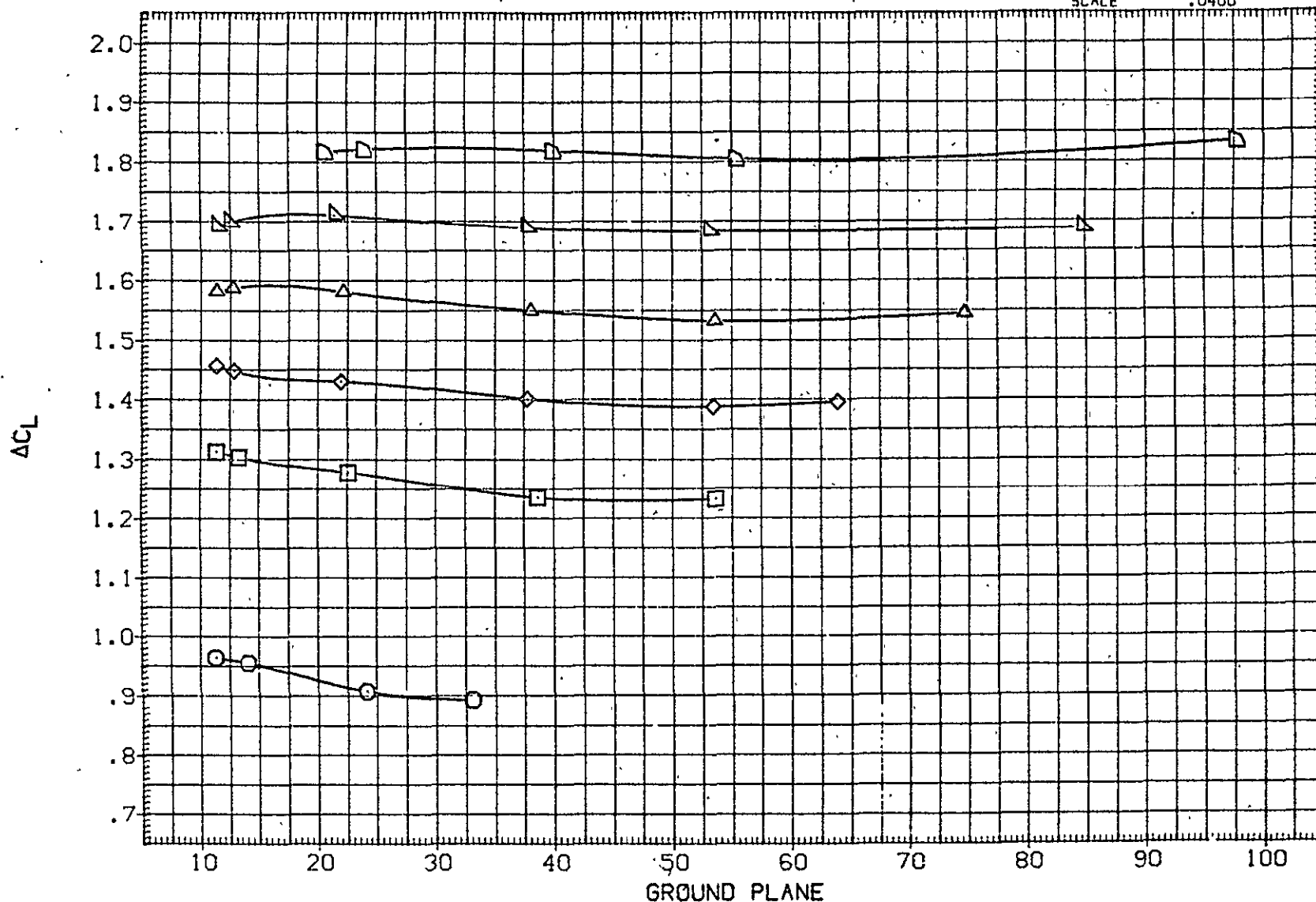


FIG 209 ALT CONFIG IN GROUND PROXIMITY, STAB = 2. FLAPS 30. IORB=8. TC ON CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE). GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA _W	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(UJF285)	□	(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5	.120	8.000	-11.700	-5.000	SREF	5500.0000	SQ.FT.
(UJF286)	○	(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5	4.113	8.000	-11.700	-5.000	LREF	327.8000	IN.
(UJF287)	◇	(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5	6.125	8.000	-11.700	-5.000	BREF	2348.0000	IN.
(UJF288)	△	(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5	8.199	8.000	-11.700	-5.000	XMRP	1339.9100	IN.XC.
(UJF289)	▽	(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5	10.130	8.000	-11.700	-5.000	YMRP	.0000	IN.YC.
(UJF290)	◻	(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5	12.171	8.000	-11.700	-5.000	ZMRP	190.7500	IN.ZC.
							SCALE	.0400	

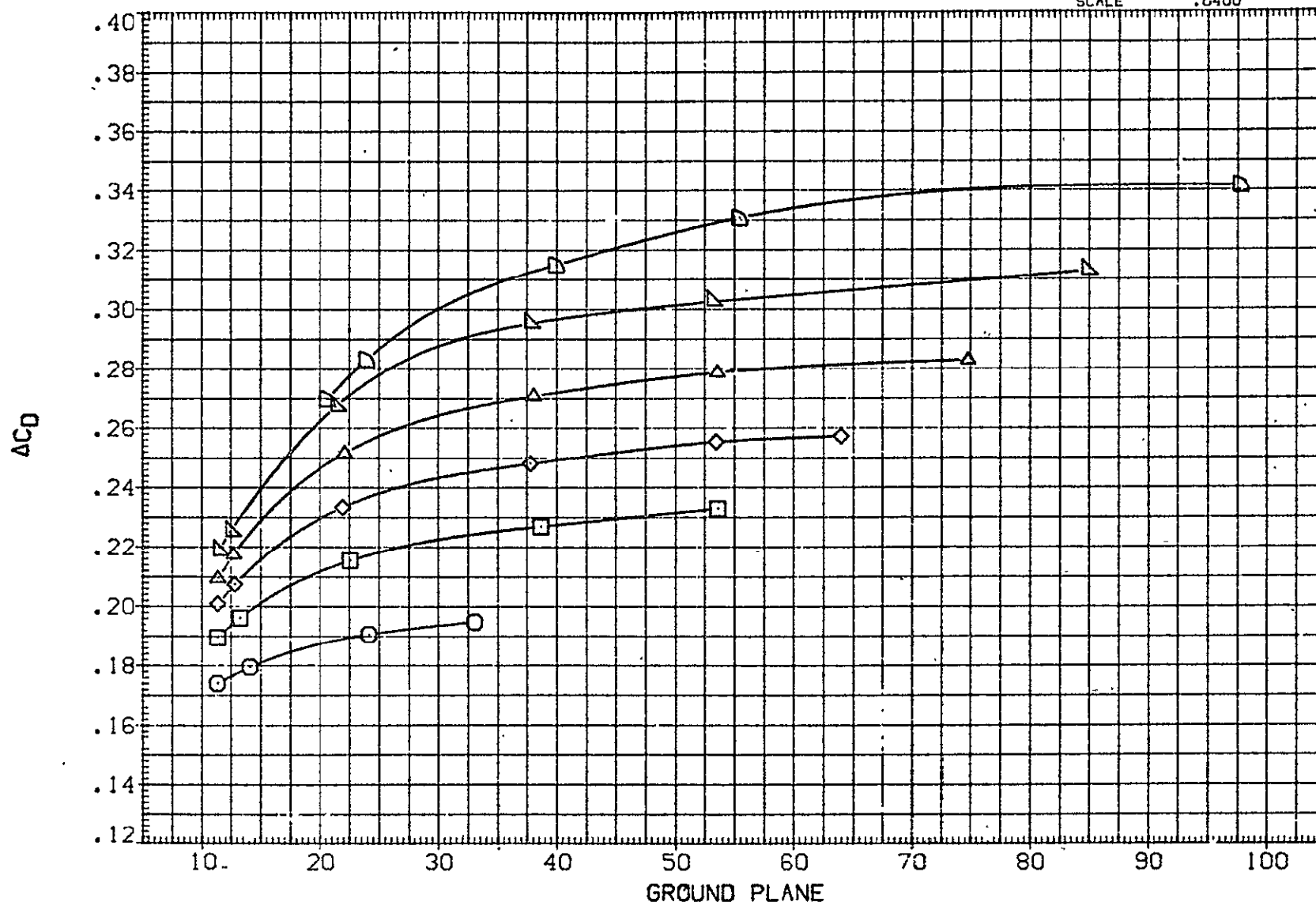


FIG 209 ALT CONFIG IN GROUND PROXIMITY, STAB = 2. FLAPS 30. IORB=8. TC ON CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE). GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(UJF285)	○	(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5	.120	8.000	-11.700	-5.000	SREF	5500.0000	SQ.FT.
(UJF286)	□	(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5	4.113	8.000	-11.700	-5.000	LREF	327.8000	IN.
(UJF287)	◇	(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5	6.125	8.000	-11.700	-5.000	BREF	2348.0000	IN.
(UJF288)	△	(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5	8.199	8.000	-11.700	-5.000	XMRP	1339.9100	IN.XC
(UJF289)	▽	(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5	10.130	8.000	-11.700	-5.000	YMRP	.0000	IN.YC
(UJF290)	◁	(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5	12.171	8.000	-11.700	-5.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

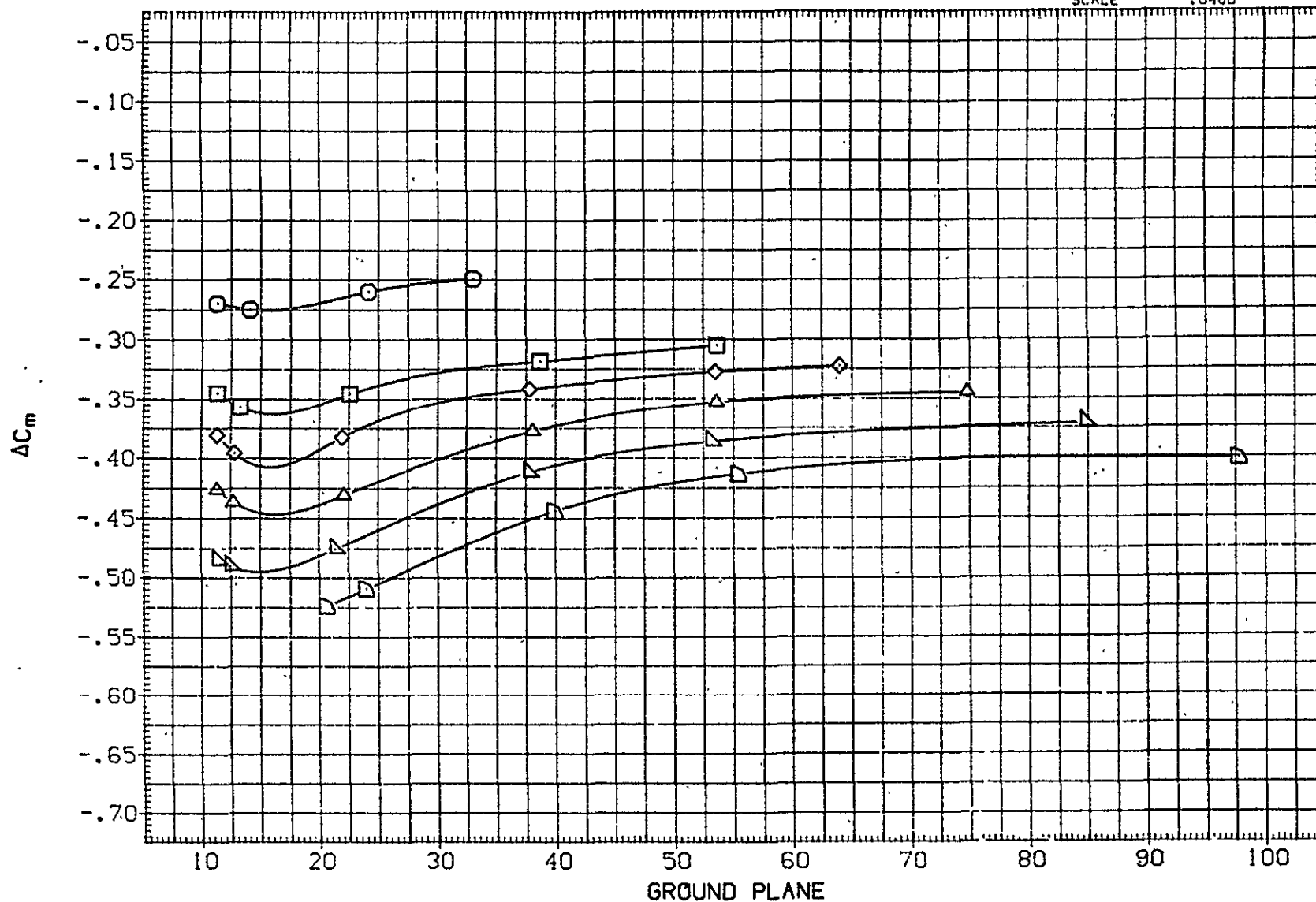


FIG 209 ALT CONFIG IN GROUND PROXIMITY, STAB = 2, FLAPS 30. IORB=8. TC ON CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE). GP SWEEPS
 (A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(UJF273)	○	(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5	.208	8.000	-11.700	-5.000	SREF	5500.0000	SQ.FT.
(UJF274)	□	(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5	4.170	8.000	-11.700	-5.000	LREF	327.8000	IN.
(UJF275)	◇	(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5	6.144	8.000	-11.700	-5.000	BREF	2348.0000	IN.
(UJF276)	△	(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5	8.179	8.000	-11.700	-5.000	XMRP	1339.9100	IN.XC
(UJF277)	▽	(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5	10.178	8.000	-11.700	-5.000	YMRP	.0000	IN.YC
(UJF278)	◻	(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5	12.184	8.000	-11.700	-5.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

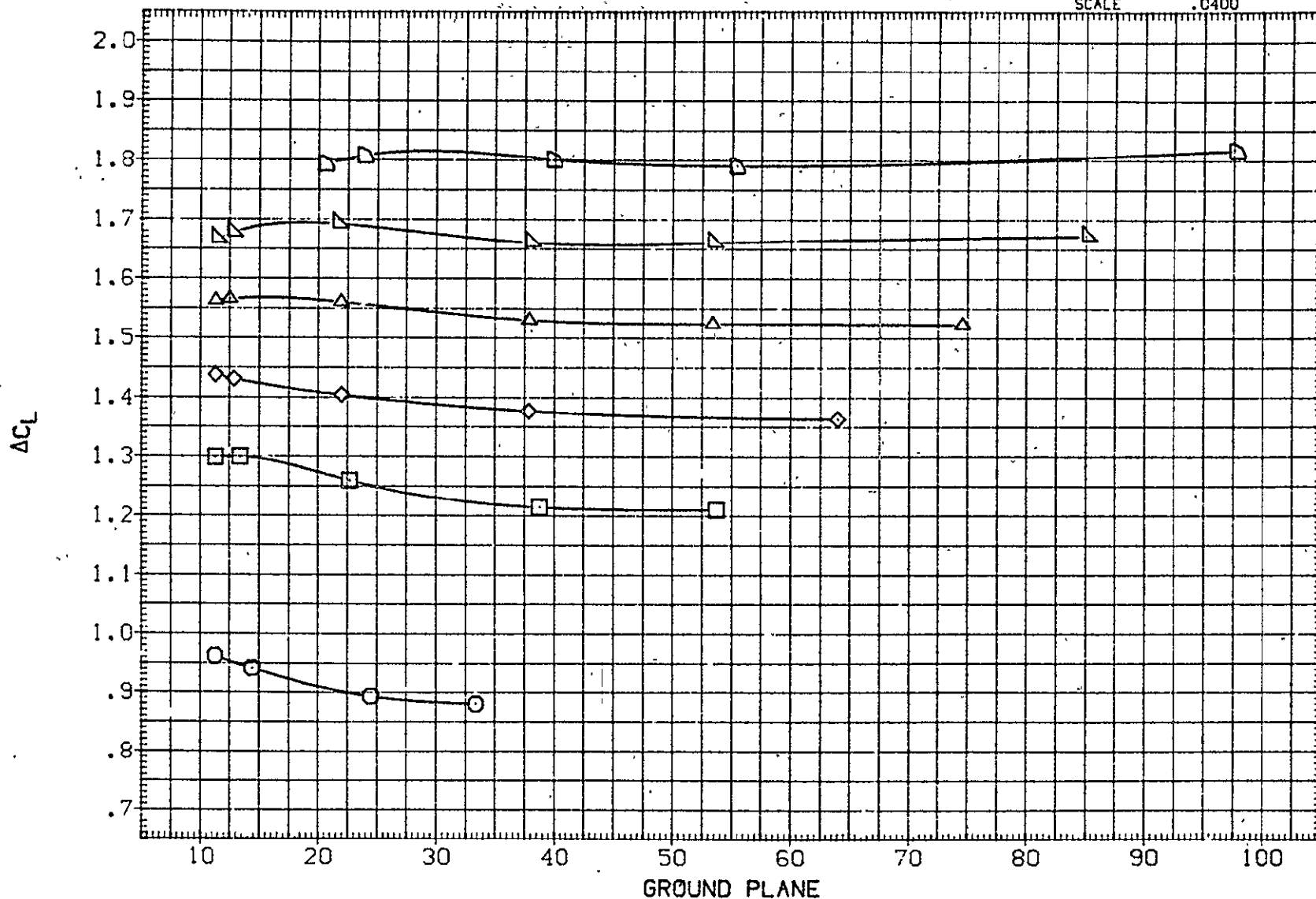


FIG 210 ALT CONFIG IN GROUND PROXIMITY, STAB = 0. FLAPS 30. IORB=8, TC ON CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(UJF273)	○	(CA-8) K3.1TS7H15.6.1F30TS40165.3.5	.208	8.000	-11.700	-5.000	SREF	5500.0000	SQ.FT.
(UJF274)	□	(CA-8) K3.1TS7H15.6.1F30TS40165.3.5	4.170	8.000	-11.700	-5.000	LREF	327.8000	IN.
(UJF275)	△	(CA-8) K3.1TS7H15.6.1F30TS40165.3.5	6.144	8.000	-11.700	-5.000	BREF	2348.0000	IN.
(UJF276)	◇	(CA-8) K3.1TS7H15.6.1F30TS40165.3.5	8.179	8.000	-11.700	-5.000	XMRP	1339.9100	IN.XC
(UJF277)	▽	(CA-8) K3.1TS7H15.6.1F30TS40165.3.5	10.178	8.000	-11.700	-5.000	YMRP	.0000	IN.YC
(UJF278)	◻	(CA-8) K3.1TS7H15.6.1F30TS40165.3.5	12.184	8.000	-11.700	-5.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

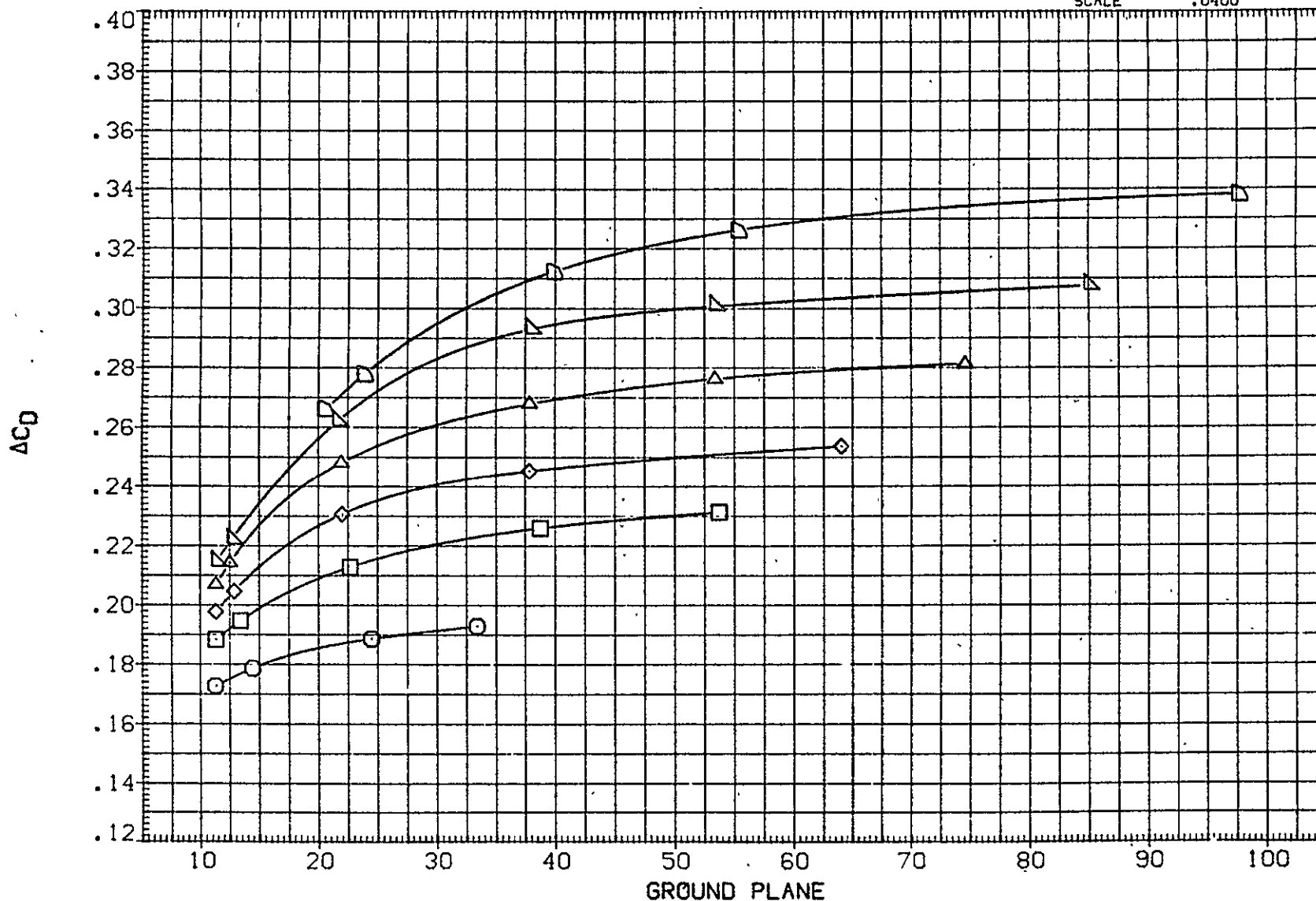


FIG 210 ALT CONFIG IN GROUND PROXIMITY. STAB = 0. FLAPS 30. IORB=8. TC ON
 CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE). GP SWEEPS
 (A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA W	IORB	BD FLAP	ELEVON	REFERENCE INFORMATION		
(UJF273)	○	(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5	.208	8.000	-11.700	-5.000	SREF	5500.0000	50. FT.
(UJF274)	□	(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5	4.170	8.000	-11.700	-5.000	LREF	327.8000	IN.
(UJF275)	◇	(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5	6.144	8.000	-11.700	-5.000	BREF	2348.0000	IN.
(UJF276)	△	(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5	8.179	8.000	-11.700	-5.000	XM RP	1339.9100	IN. XC
(UJF277)	▽	(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5	10.178	8.000	-11.700	-5.000	YM RP	.0000	IN. YC
(UJF278)	◻	(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5	12.184	8.000	-11.700	-5.000	ZM RP	190.7500	IN. ZC
							SCALE	.0400	

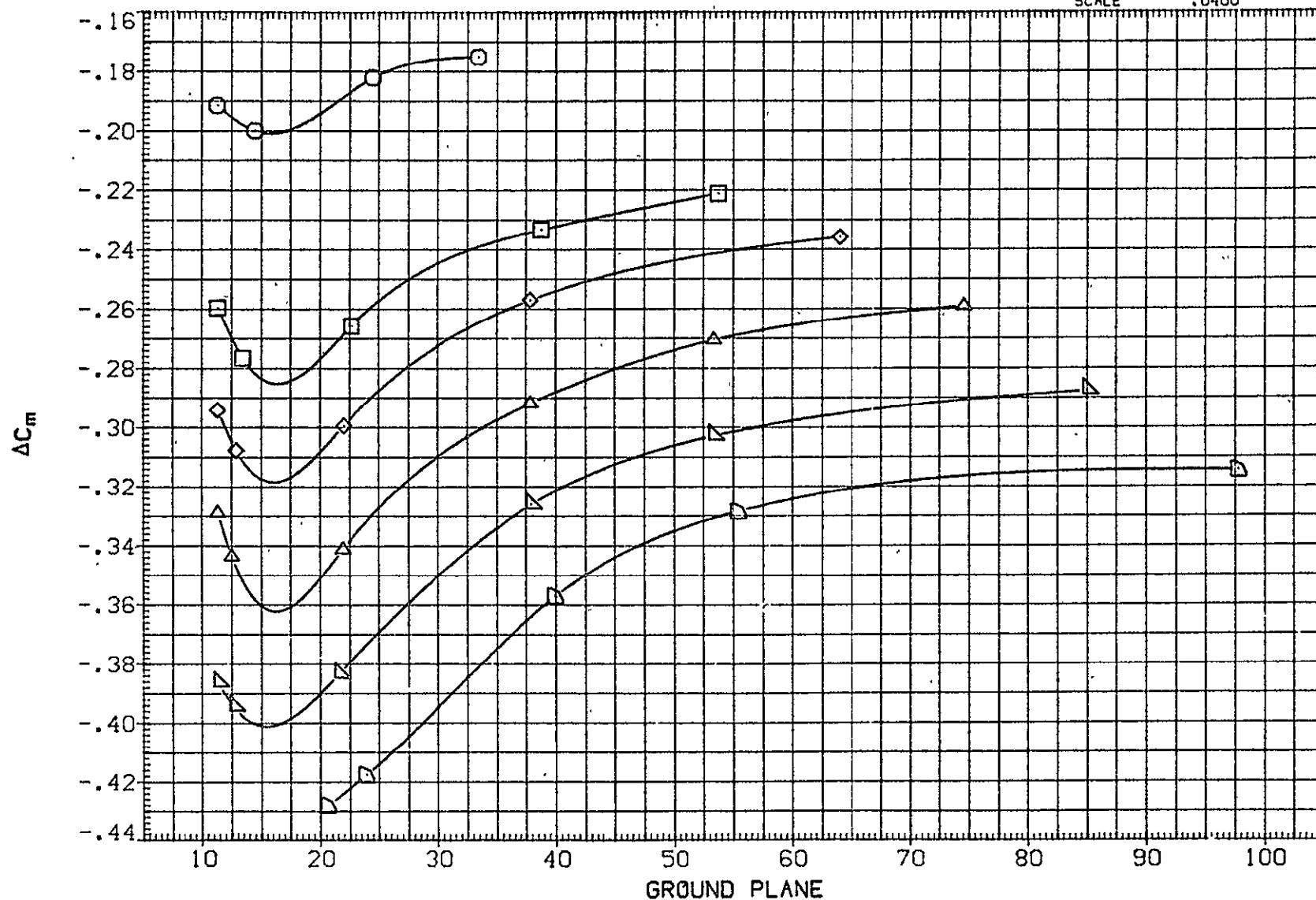


FIG 210 ALT CONFIG IN GROUND PROXIMITY, STAB = 0, FLAPS 30, IORB=8, TC ON CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), GP SWEEPS

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(UJF279)	□	(CA-8) K3.1TS7H15.6.1F30TS40165.3.5	.160	8.000	-11.700	-5.000	SREF	5500.0000	50.FT.
(UJF280)	□	(CA-8) K3.1TS7H15.6.1F30TS40165.3.5	4.141	8.000	-11.700	-5.000	LREF	327.8000	1N.
(UJF281)	◇	(CA-8) K3.1TS7H15.6.1F30TS40165.3.5	6.199	8.000	-11.700	-5.000	BREF	2348.0000	1N.
(UJF282)	△	(CA-8) K3.1TS7H15.6.1F30TS40165.3.5	8.128	8.000	-11.700	-5.000	XMRP	1339.9100	1N.XC
(UJF283)	△	(CA-8) K3.1TS7H15.6.1F30TS40165.3.5	10.137	8.000	-11.700	-5.000	YMRP	.0000	1N.YC
(UJF284)	△	(CA-8) K3.1TS7H15.6.1F30TS40165.3.5	12.159	8.000	-11.700	-5.000	ZMRP	190.7500	1N.ZC
							SCALE	.0400	

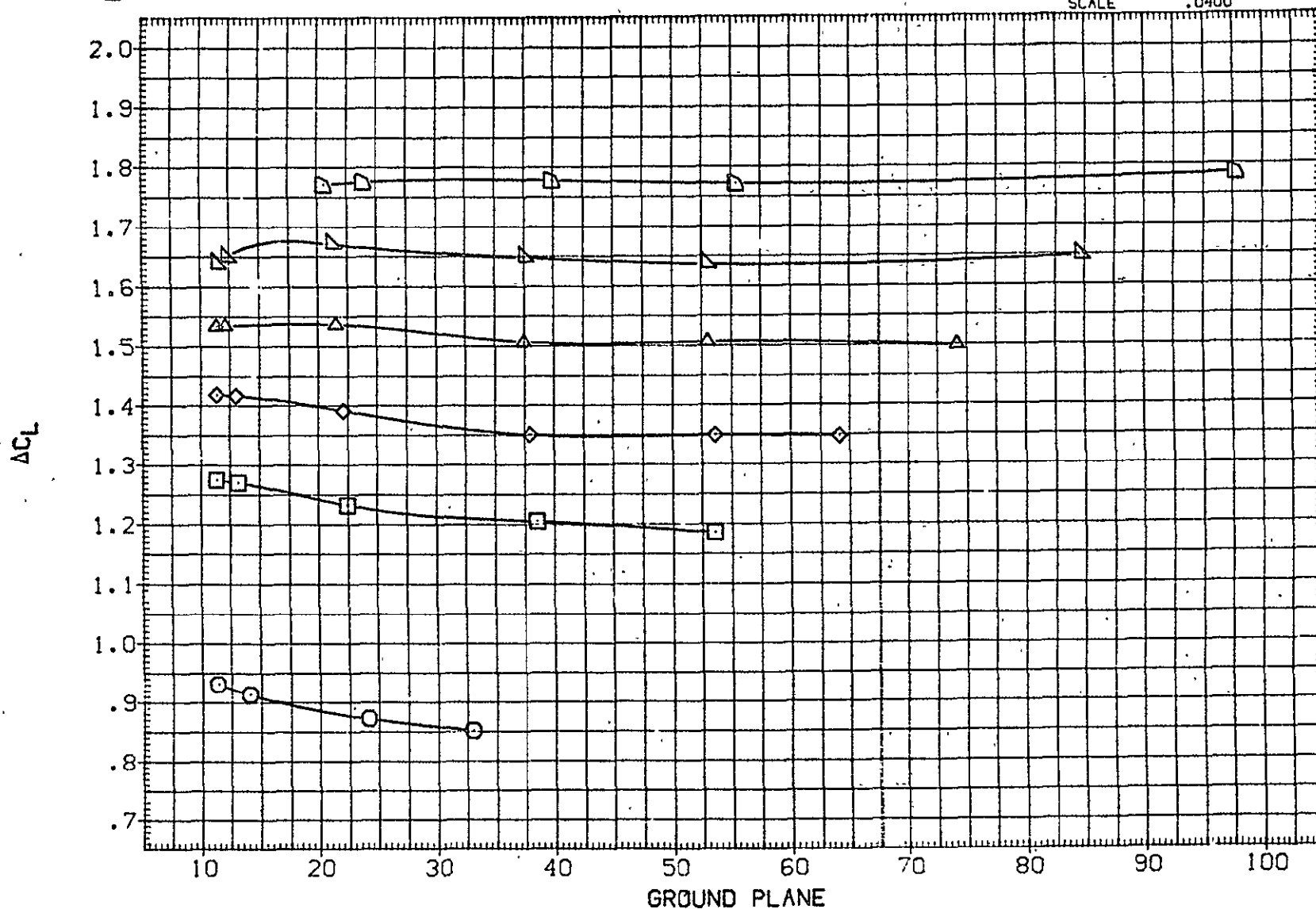


FIG 211 ALT CONFIG IN GROUND PROXIMITY. STAB = -2. FLAPS 30. IORB=8. TC ON CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(UJF279)	□	(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5	.160	8.000	-11.700	-5.000	SREF	5500.0000	SQ.FT.
(UJF280)	◇	(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5	4.141	8.000	-11.700	-5.000	LREF	327.8000	IN.
(UJF281)	△	(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5	6.199	8.000	-11.700	-5.000	BREF	2348.0000	IN.
(UJF282)	▽	(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5	8.128	8.000	-11.700	-5.000	XMRP	1339.9100	IN.XC
(UJF283)	△	(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5	10.137	8.000	-11.700	-5.000	YMRP	.0000	IN.YC
(UJF284)	▽	(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5	12.159	8.000	-11.700	-5.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

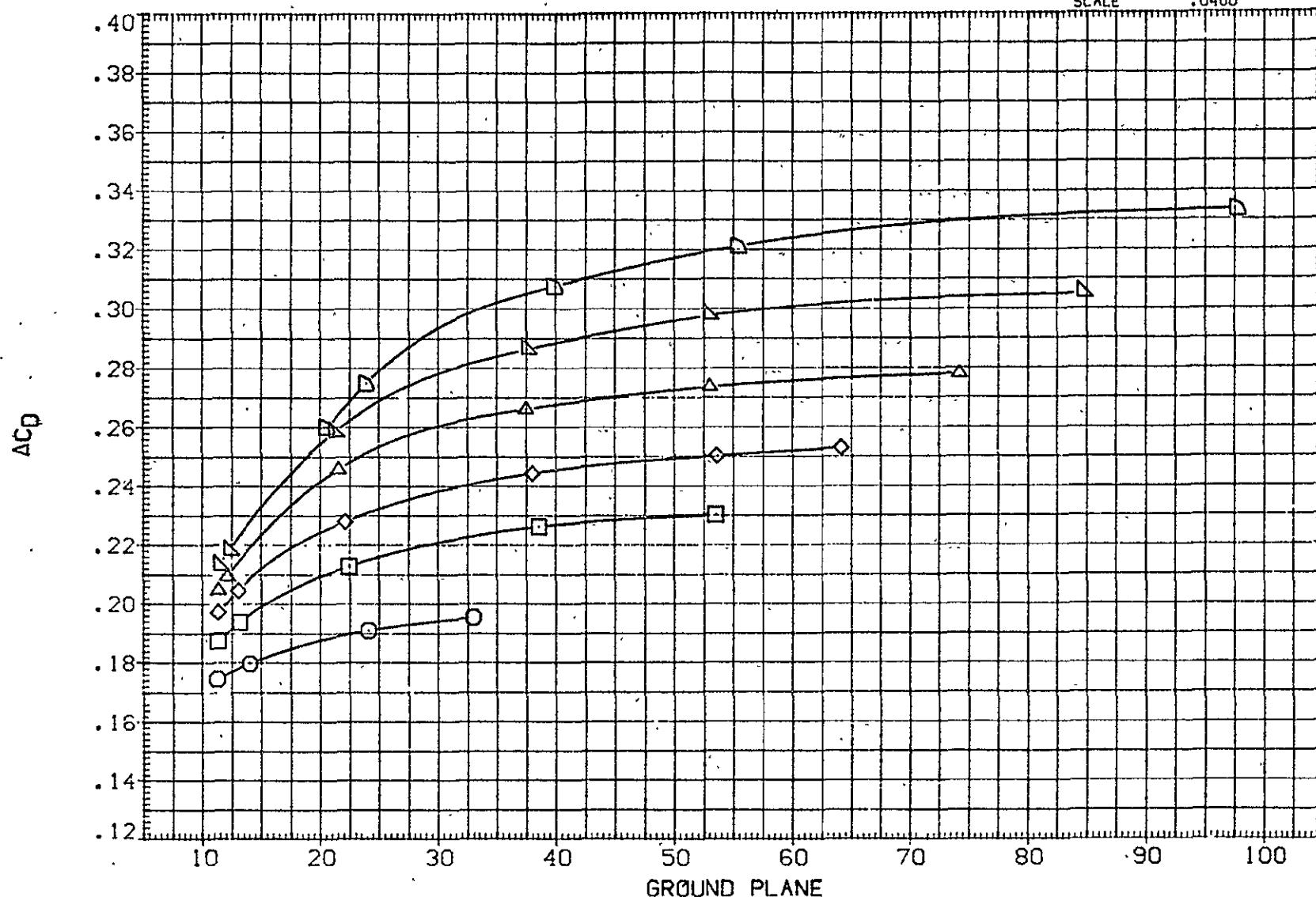


FIG 211 ALT CONFIG IN GROUND PROXIMITY, STAB = -2. FLAPS 30. IORB=8. TC ON CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE). GP SWEEPS

(A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(UJF279)	○	(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5	.160	8.000	-11.700	-5.000	SREF	5500.0000	50.FT.
(UJF280)	□	(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5	4.141	8.000	-11.700	-5.000	LREF	327.8000	IN.
(UJF281)	◇	(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5	6.199	8.000	-1.700	-5.000	BREF	2348.0000	IN.
(UJF282)	△	(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5	8.128	8.000	-1.700	-5.000	XMRP	1339.9100	IN.XC
(UJF283)	▽	(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5	10.137	8.000	-1.700	-5.000	YMRP	.0000	IN.YC
(UJF284)	◊	(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5	12.159	8.000	-1.700	-5.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

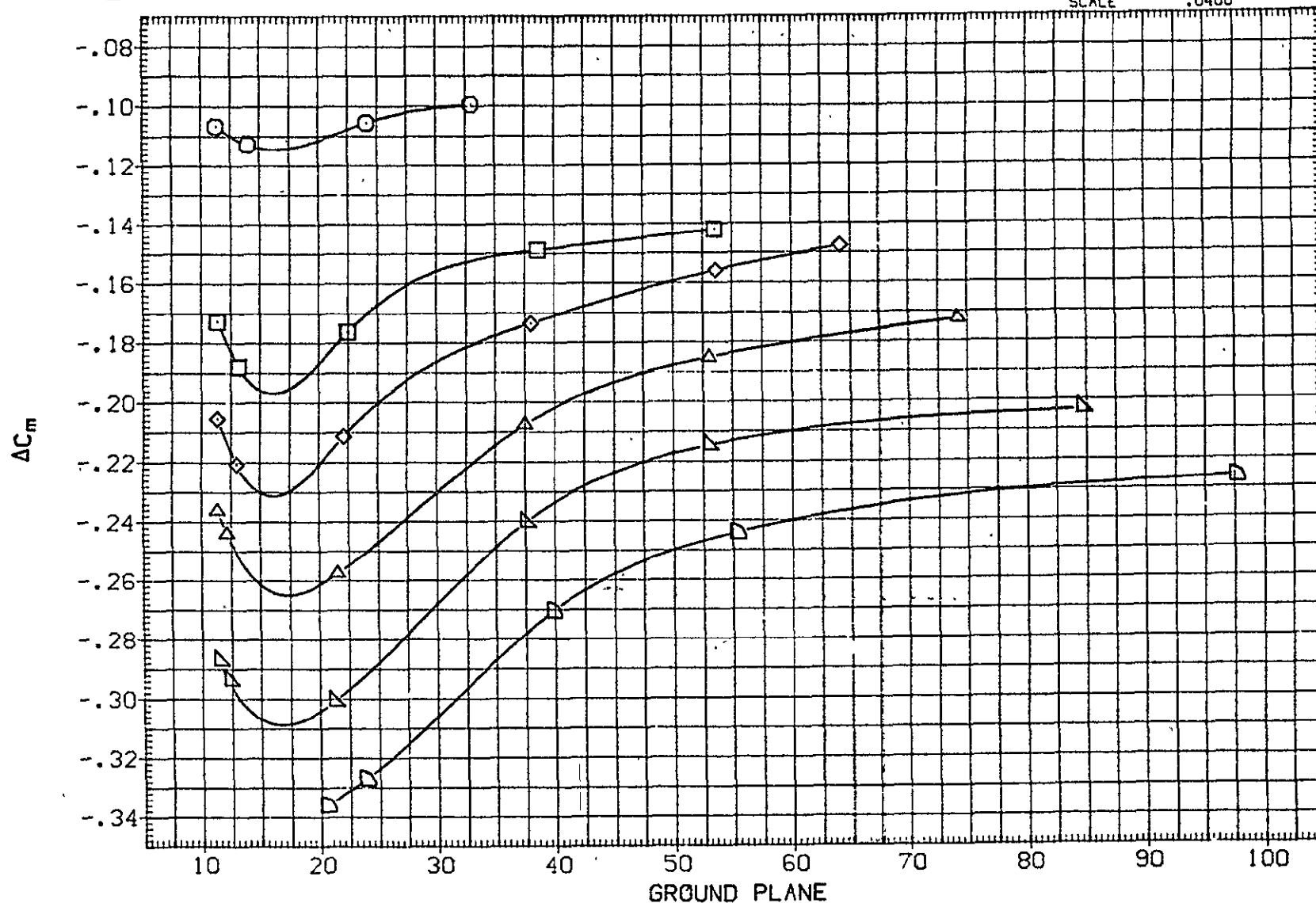


FIG 211 ALT CONFIG IN GROUND PROXIMITY, STAB = -2. FLAPS 30, IORB=8, TC ON CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(UJF297)	○	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	.263	8.000	-11.700	-5.000	SREF	5500.0000	50. FT.
(UJF298)	□	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	4.047	8.000	-11.700	-5.000	LREF	327.8000	IN.
(UJF299)	◇	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	6.135	8.000	-11.700	-5.000	BREF	2348.0000	IN.
(UJF300)	△	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	8.209	8.000	-11.700	-5.000	XMRP	1339.9100	IN. XC
(UJF301)	▽	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	10.143	8.000	-11.700	-5.000	YMRP	.0000	IN. YC
(UJF302)	◻	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	12.252	8.000	-11.700	-5.000	ZMRP	190.7500	IN. ZC
							SCALE	.0400	

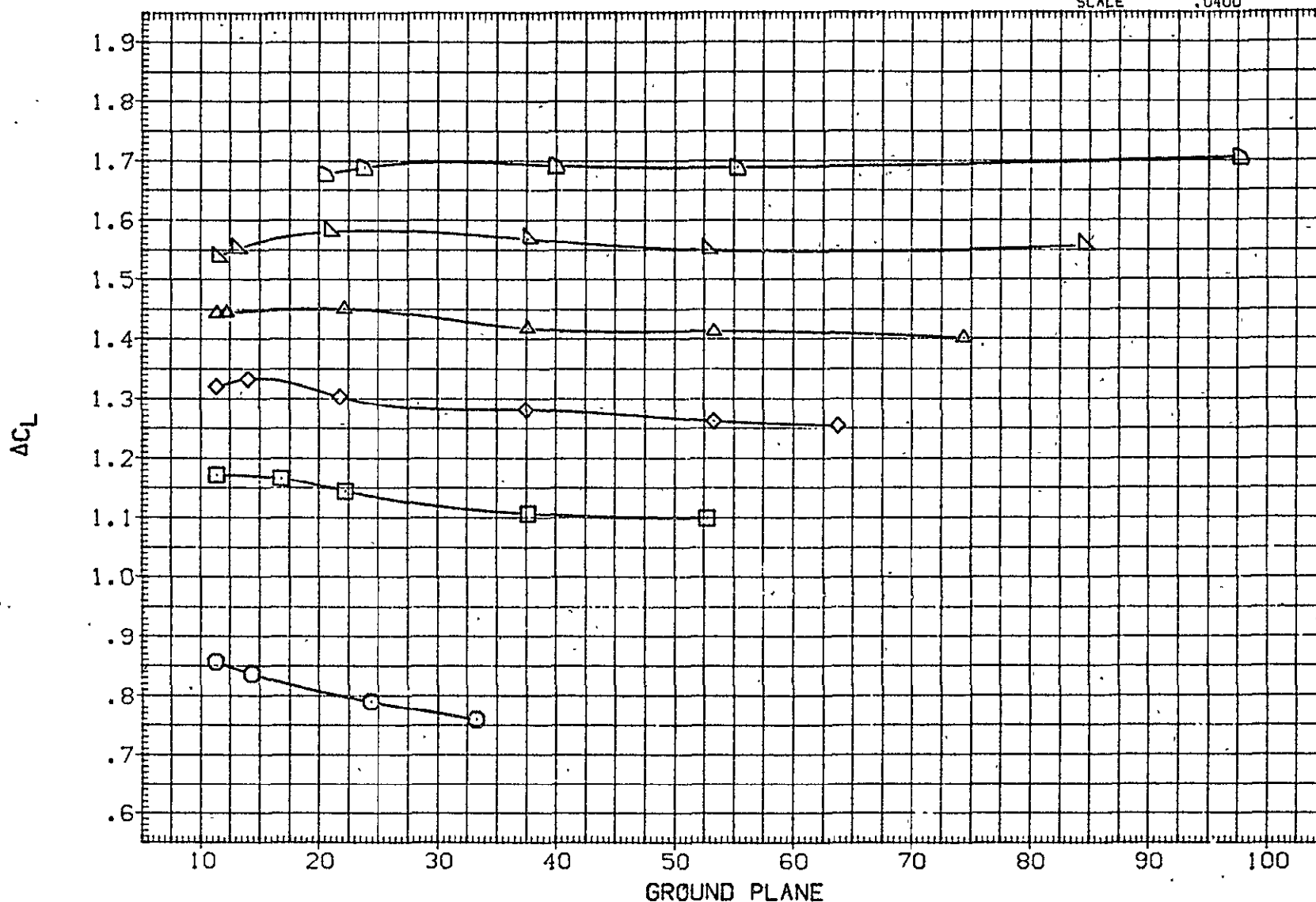


FIG 212 ALT CONFIG IN GROUND PROXIMITY, STAB = 0, ELEVTR=-23, IORB=8, TC ON CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), GP SWEEPS

(A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(UJF297)	○	(CA-8) K3.1TS7H15.6.1F30TS40165.3.5	.263	8.000	-11.700	-5.000	SREF	5500.0000	SQ.FT.
(UJF298)	□	(CA-8) K3.1TS7H15.6.1F30TS40165.3.5	4.047	8.000	-11.700	-5.000	LREF	327.8000	IN.
(UJF299)	△	(CA-8) K3.1TS7H15.6.1F30TS40165.3.5	6.135	8.000	-11.700	-5.000	BREF	2348.0000	IN.
(UJF300)	◇	(CA-8) K3.1TS7H15.6.1F30TS40165.3.5	8.209	8.000	-11.700	-5.000	XMRP	1339.9100	IN. XC
(UJF301)	▽	(CA-8) K3.1TS7H15.6.1F30TS40165.3.5	10.143	8.000	-11.700	-5.000	YMRP	.0000	IN. YC
(UJF302)	◊	(CA-8) K3.1TS7H15.6.1F30TS40165.3.5	12.252	8.000	-11.700	-5.000	ZMRP	190.7500	IN. ZC
							SCALE	.0400	

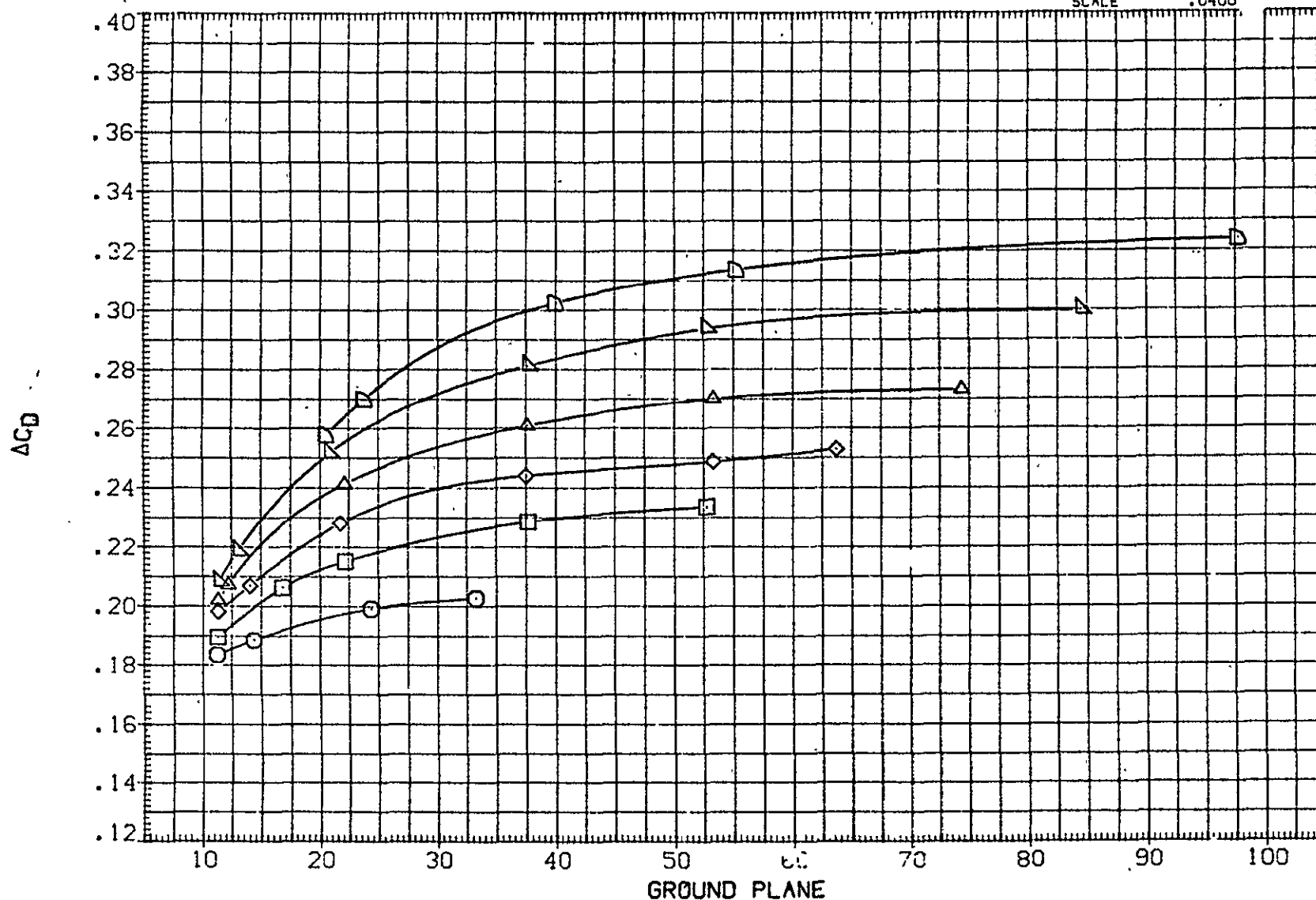


FIG 212 ALT CONFIG IN GROUND PROXIMITY, STAB = 0. ELEVTR=-23. IORB=8. TC ON CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), GP SWEEPS

(A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(UJF297)	○	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	.263	8.000	-11.700	-5.000	SREF	5500.0000	SQ.FT.
(UJF298)	□	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	4.047	8.000	-11.700	-5.000	LREF	327.8000	IN.
(UJF299)	◇	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	6.135	8.000	-11.700	-5.000	BREF	2348.0000	IN.
(UJF300)	△	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	8.209	8.000	-11.700	-5.000	XMRP	1339.9100	IN.XC
(UJF301)	▽	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	10.143	8.000	-11.700	-5.000	YMRP	.0000	IN.YC
(UJF302)	◻	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	12.252	8.000	-11.700	-5.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

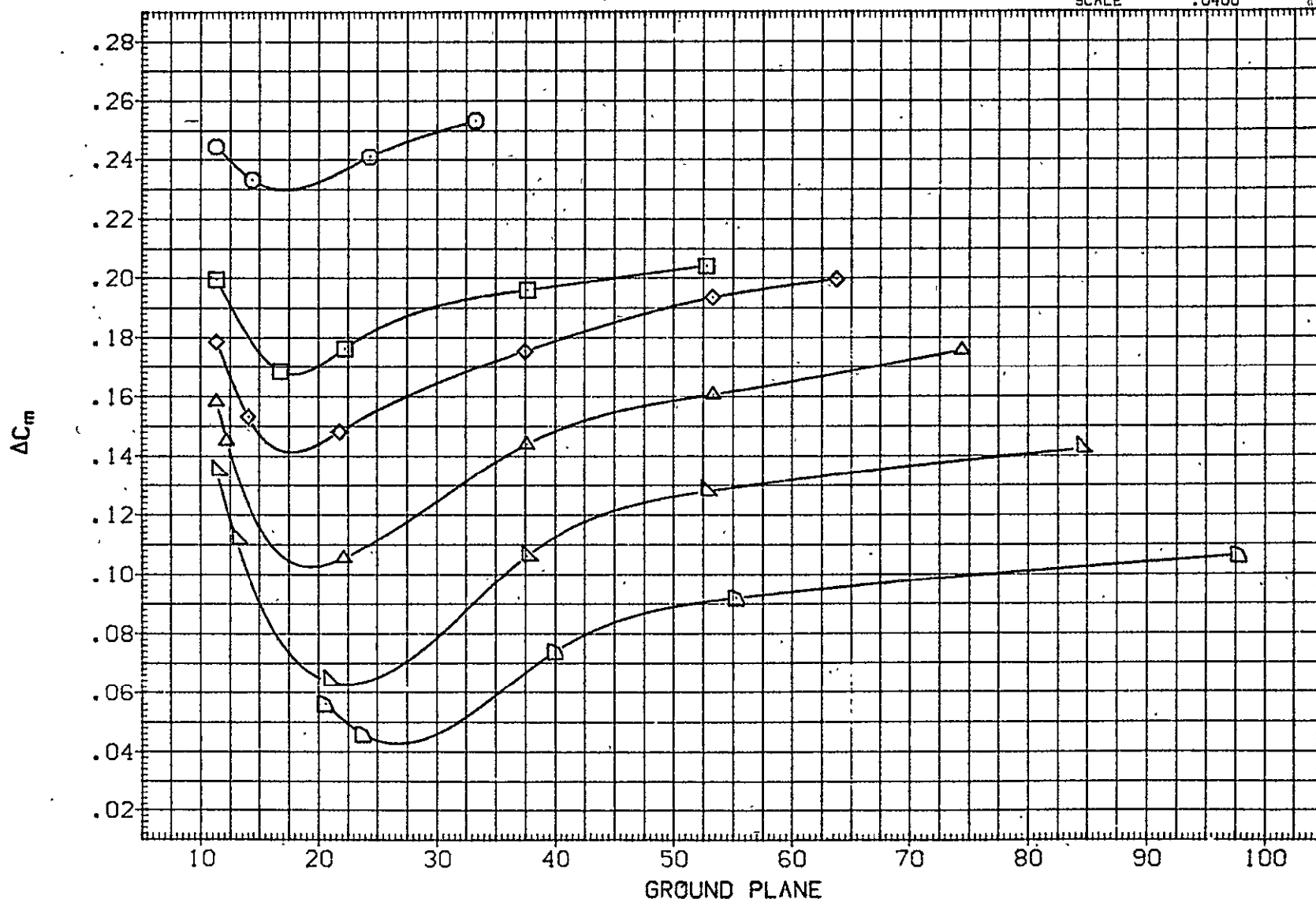


FIG 212 ALT CONFIG IN GROUND PROXIMITY. STAB = 0. ELEVTR=-23. IORB=8. TC ON CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE). GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	IORB	BOFLAP	ELEVON	REFERENCE INFORMATION		
(UJF309)	○	(CA-8) K3.1TS7 F10TS40265.3.5	.211	8.000	.000	-5.000	SREF	5500.0000	SQ.FT.
(UJF310)	□	(CA-8) K3.1TS7 F10TS40265.3.5	4.011	8.000	.000	-5.000	LREF	327.8000	IN.
(UJF311)	◇	(CA-8) K3.1TS7 F10TS40265.3.5	6.211	8.000	.000	-5.000	BREF	2348.0000	IN.
(UJF312)	△	(CA-8) K3.1TS7 F10TS40265.3.5	8.089	8.000	.000	-5.000	XMRP	1339.9100	IN.XC
(UJF313)	▽	(CA-8) K3.1TS7 F10TS40265.3.5	10.137	8.000	.000	-5.000	YMRP	.0000	IN.YC
(UJF314)	◻	(CA-8) K3.1TS7 F10TS40265.3.5	12.208	8.000	.000	-5.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

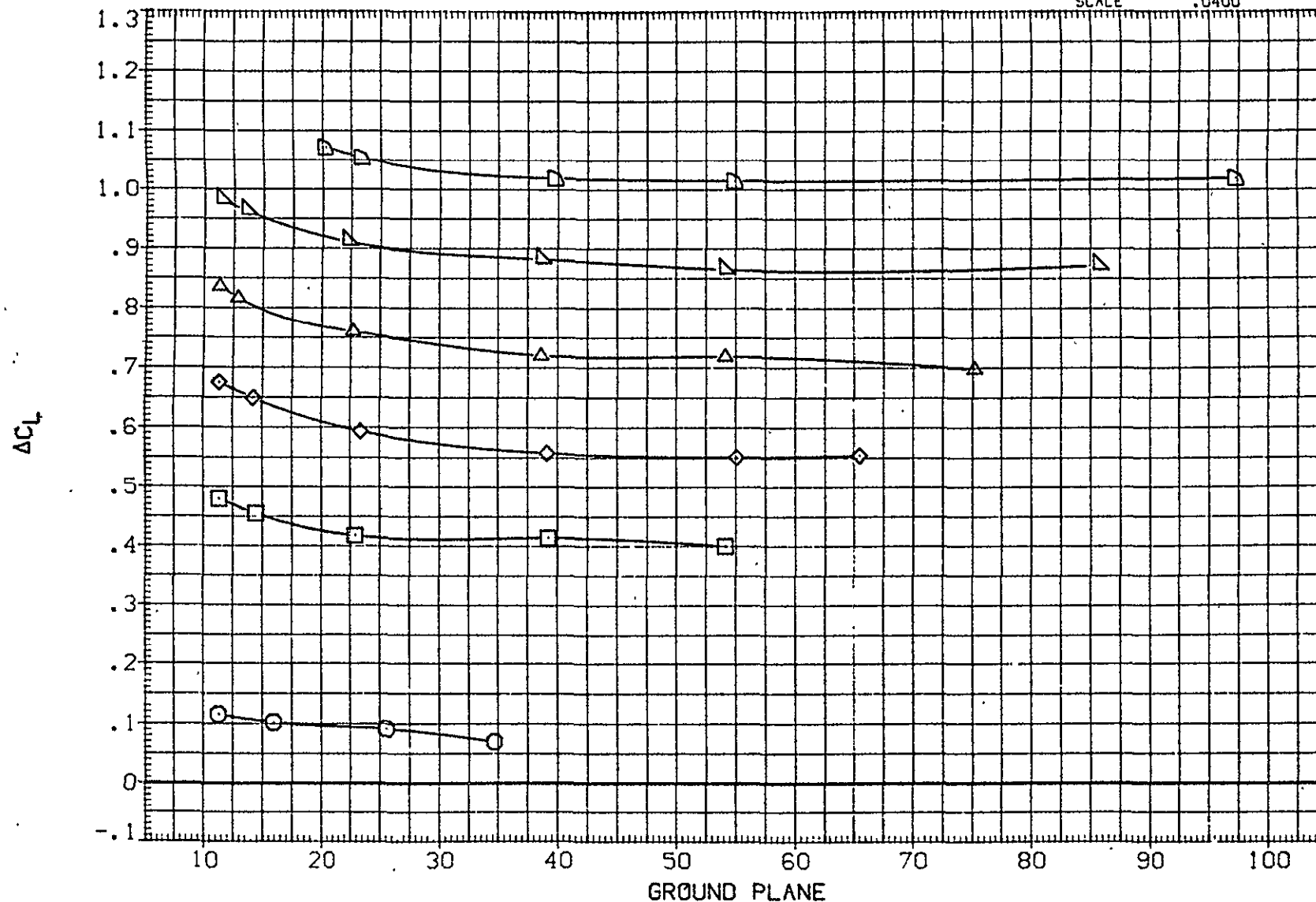


FIG 213 ALT CONFIG IN GROUND PROXIMITY, HORIZ OFF. FLAPS 10. IORB=8, TC OFF
CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE). GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA W	IORB	BOFLAP	ELEVON	REFERENCE INFORMATION		
(UJF309)	□	(CA-8) K3.1TS7 F10TS402G5.3.5	.211	8.000	.000	-5.000	SREF	5500.0000	SQ.FT.
(UJF310)	□	(CA-8) K3.1TS7 F10TS402G5.3.5	4.011	8.000	.000	-5.000	LREF	327.8000	IN.
(UJF311)	◇	(CA-8) K3.1TS7 F10TS402G5.3.5	6.211	8.000	.000	-5.000	BREF	2348.0000	IN.
(UJF312)	△	(CA-8) K3.1TS7 F10TS402G5.3.5	8.089	8.000	.000	-5.000	XMRP	1339.9100	IN.XC
(UJF313)	△	(CA-8) K3.1TS7 F10TS402G5.3.5	10.137	8.000	.000	-5.000	YMRP	.0000	IN.YC
(UJF314)	△	(CA-8) K3.1TS7 F10TS402G5.3.5	12.208	8.000	.000	-5.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

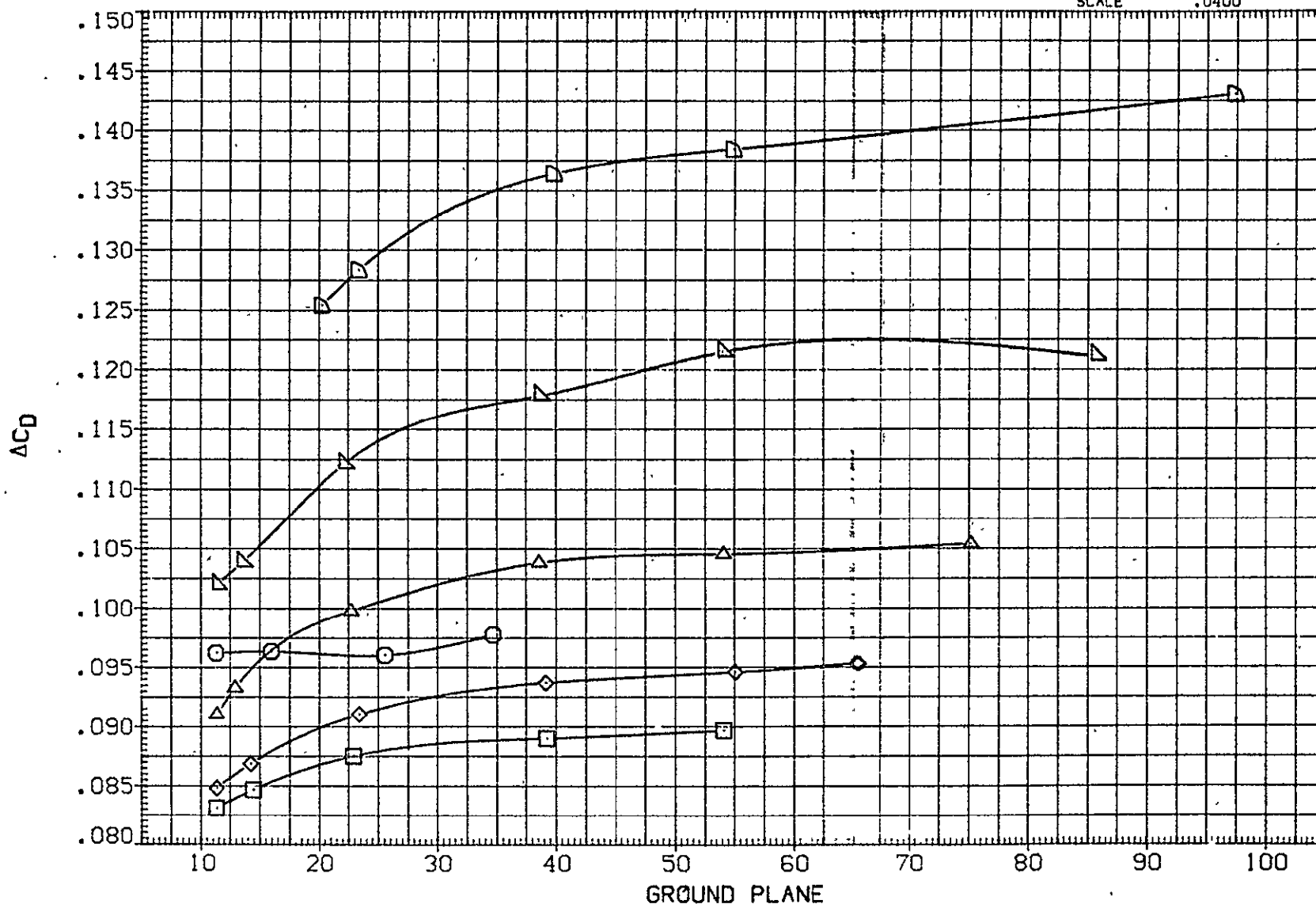


FIG 213 ALT CONFIG IN GROUND PROXIMITY, HORIZ OFF. FLAPS 10. IORB=8. TC OFF
CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(UJF309)	○	(CA-8) K3.1TS7 F10TS40265.3.5	.211	8.000	.000	-5.000	SREF	5500.0000	50.FT.
(UJF310)	□	(CA-8) K3.1TS7 F10TS40265.3.5	4.011	8.000	.000	-5.000	LREF	327.8000	IN.
(UJF311)	△	(CA-8) K3.1TS7 F10TS40265.3.5	6.211	8.000	.000	-5.000	BREF	2348.0000	IN.
(UJF312)	◇	(CA-8) K3.1TS7 F10TS40265.3.5	8.089	8.000	.000	-5.000	XMRP	1339.9100	IN.XC
(UJF313)	▽	(CA-8) K3.1TS7 F10TS40265.3.5	10.137	8.000	.000	-5.000	YMRP	.0000	IN.YC
(UJF314)	◻	(CA-8) K3.1TS7 F10TS40265.3.5	12.208	8.000	.000	-5.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

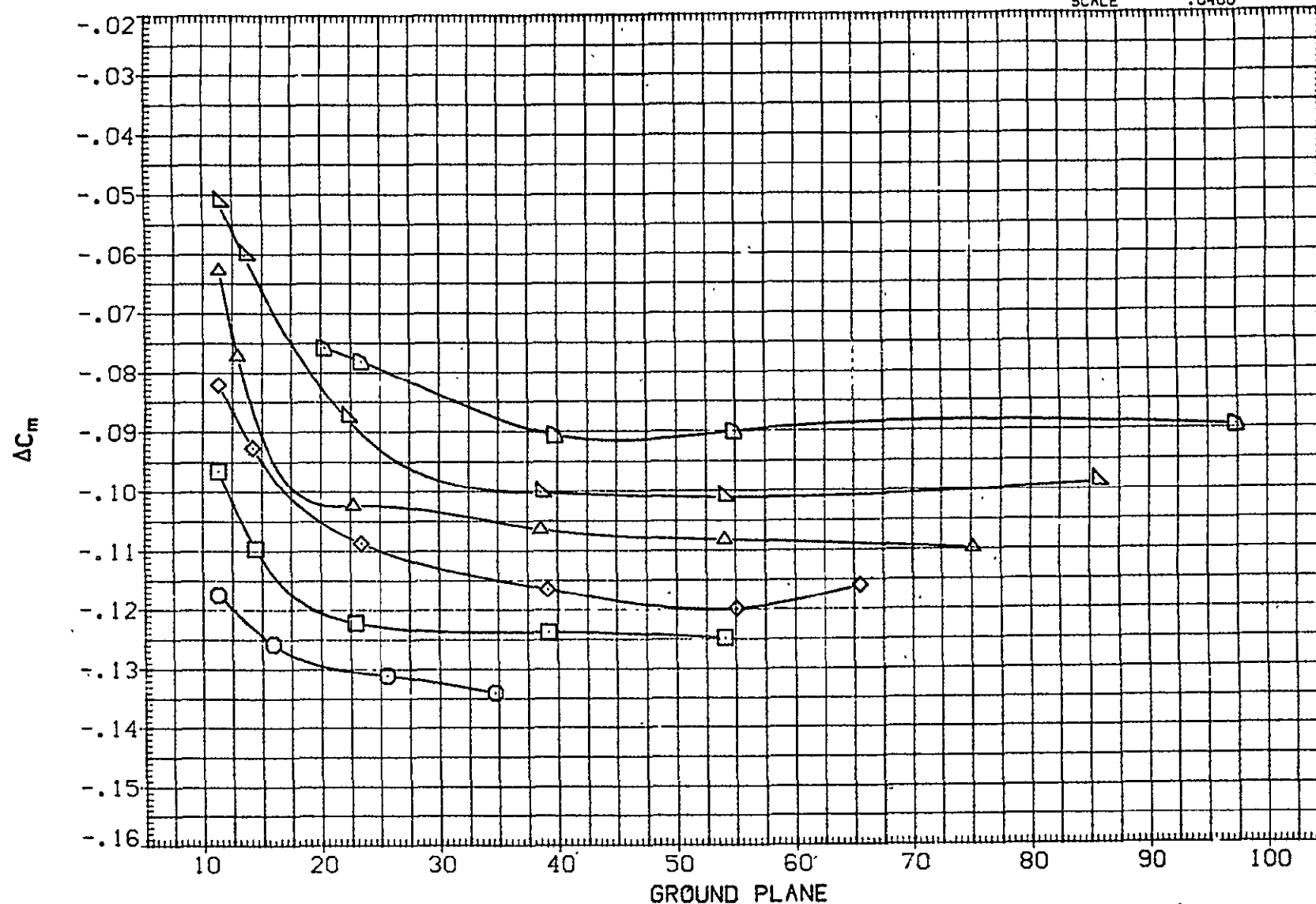


FIG 213 ALT CONFIG IN GROUND PROXIMITY, HORIZ OFF, FLAPS 10, IORB=8, TC OFF
CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE). GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA _W	IORB	BOFLAP	ELEVON	REFERENCE INFORMATION		
(UJF327)	○	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	.195	8.000	.000	-5.000	SREF	5500.0000	SQ.FT.
(UJF328)	□	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	3.963	8.000	.000	-5.000	LREF	327.8000	IN.
(UJF329)	◇	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	6.133	8.000	.000	-5.000	BREF	2348.0000	IN.
(UJF330)	△	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	8.150	8.000	.000	-5.000	XMRP	1339.9100	IN.XC
(UJF331)	▽	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	10.074	8.000	.000	-5.000	YMRP	.0000	IN.YC
(UJF332)	◻	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	12.218	8.000	.000	-5.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

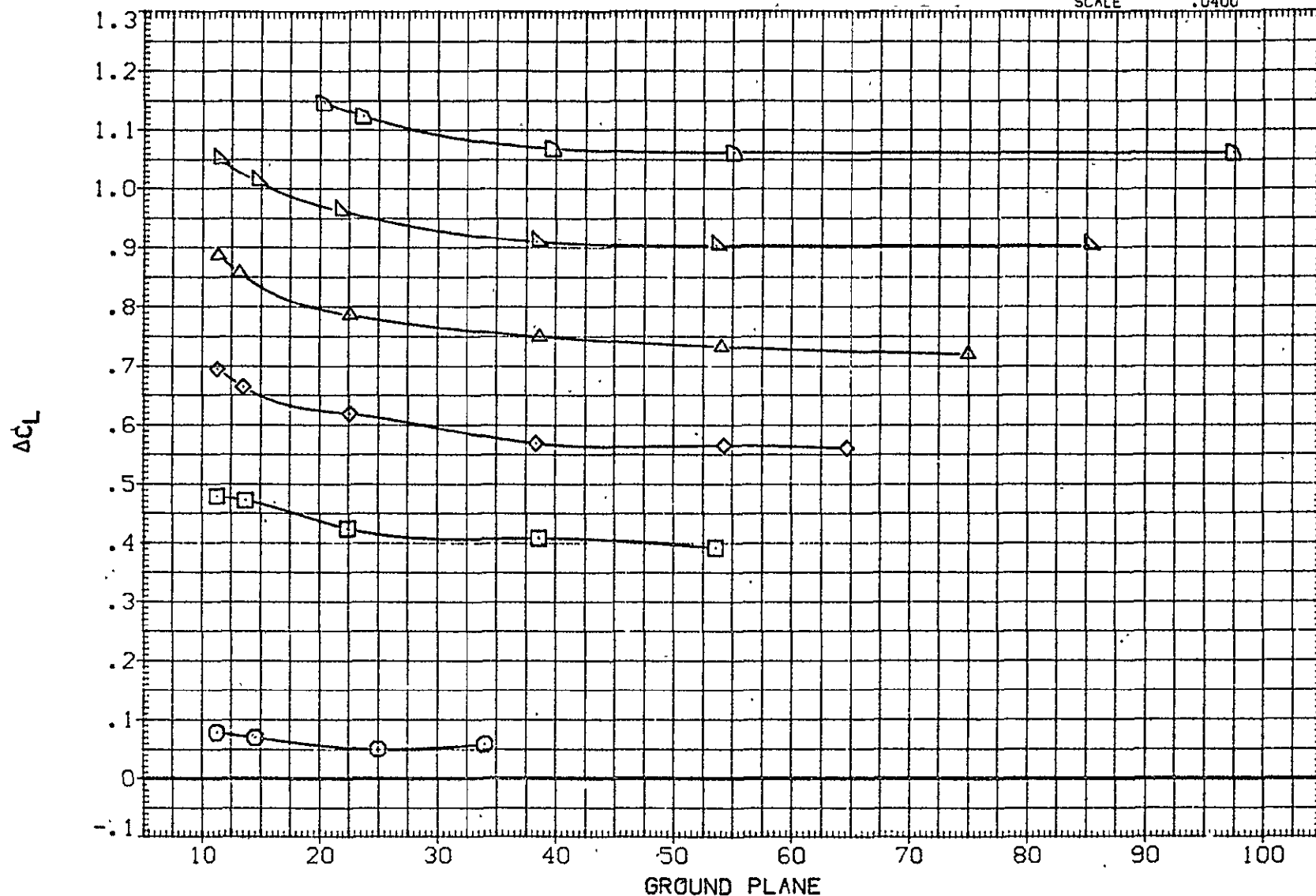


FIG 214 ALT CONFIG IN GROUND PROXIMITY, STAB = 4, FLAPS 10, IORB=8, TC OFF
 CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), GP SWEEPS
 (A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	IORB	BOFLAP	ELEVON	REFERENCE INFORMATION		
(UJF327)	□	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	.195	8.000	.000	-5.000	SREF	5500.0000	SQ.FT.
(UJF328)	□	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	3.963	8.000	.000	-5.000	LREF	327.8000	IN.
(UJF329)	△	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	6.133	8.000	.000	-5.000	BREF	2348.0000	IN.
(UJF330)	△	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	8.150	8.000	.000	-5.000	XMRP	1339.9100	IN.XC
(UJF331)	△	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	10.074	8.000	.000	-5.000	YMRP	.0J00	IN.YC
(UJF332)	△	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	12.218	8.000	.000	-5.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

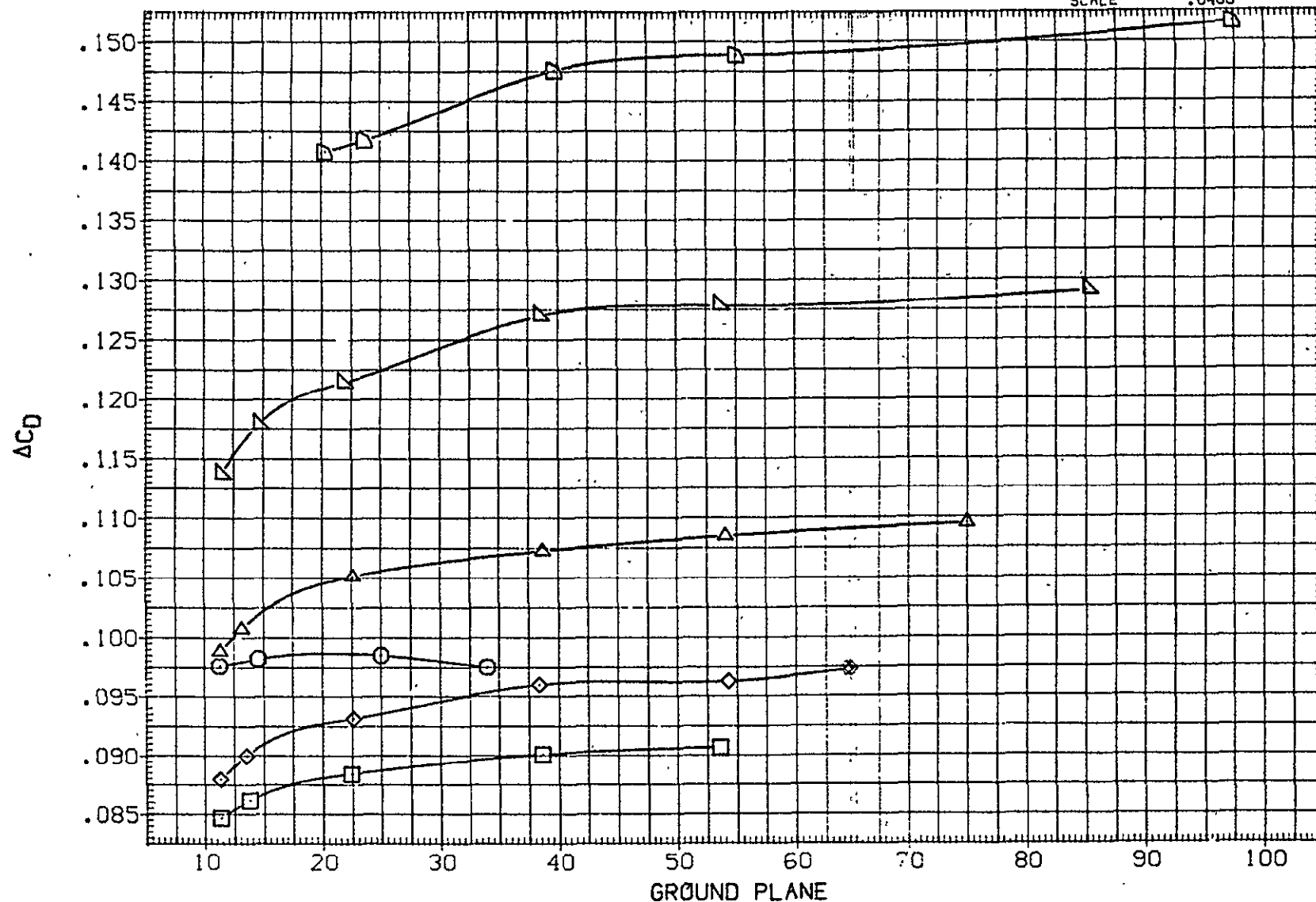


FIG 214 ALT CONFIG IN GROUND PROXIMITY. STAB = 4. FLAPS 10. IORB=8. TC OFF
 CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE). GP SWEEPS
 (A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA W	IORB	BD FLAP	ELEVON	REFERENCE INFORMATION		
(UJF327)	○	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	.195	8.000	.000	-5.000	SREF	5500.0000	SQ. FT.
(UJF328)	□	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	3.963	8.000	.000	-5.000	LREF	327.8000	IN.
(UJF329)	◇	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	6.133	8.000	.000	-5.000	BREF	2348.0000	IN.
(UJF330)	△	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	8.150	8.000	.000	-5.000	XMRP	1339.9100	IN. XC
(UJF331)	▽	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	10.074	8.000	.000	-5.000	YMRP	.0000	IN. YC
(UJF332)	▷	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	12.218	8.000	.000	-5.000	ZMRP	190.7500	IN. ZC
							SCALE	.0400	

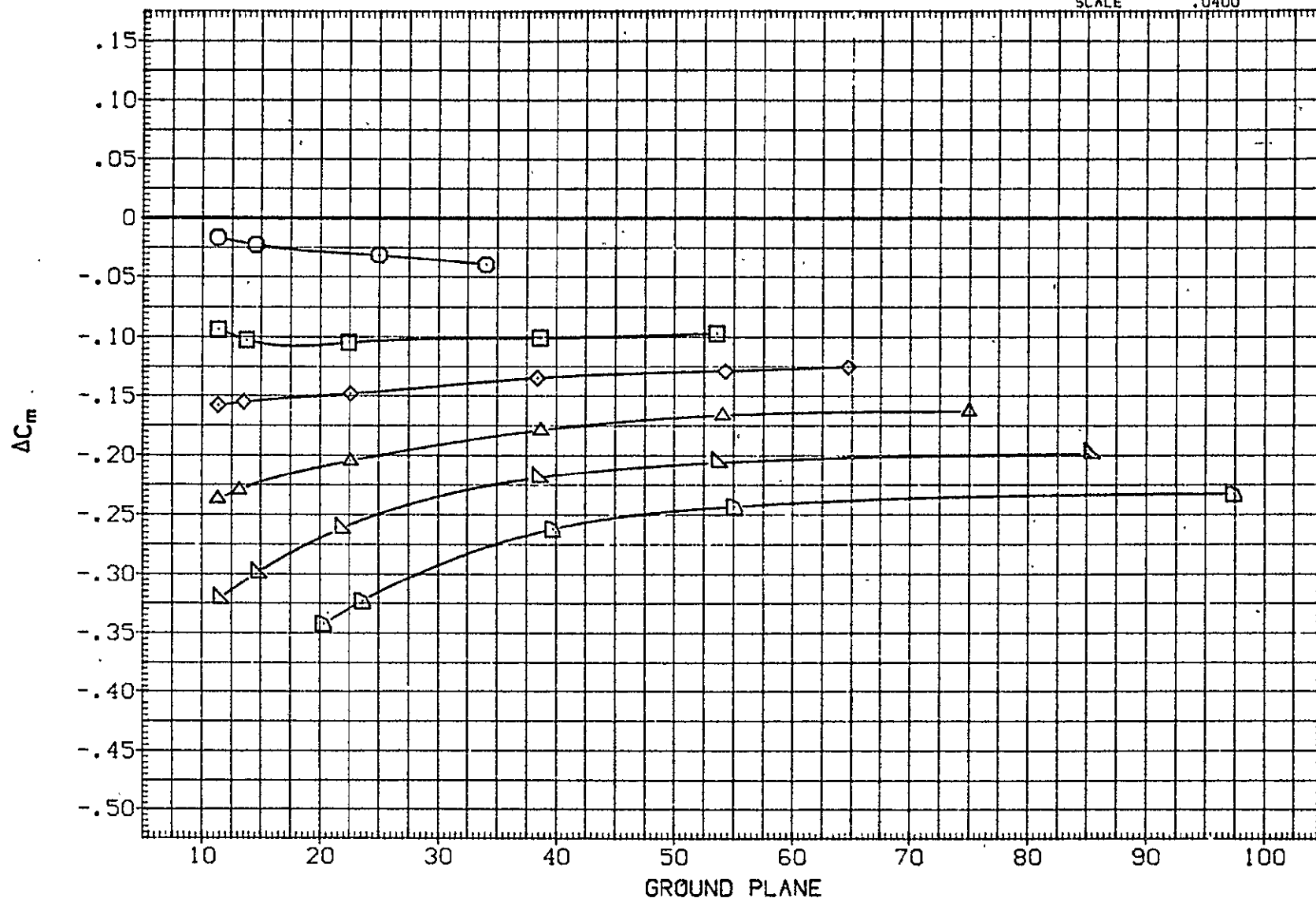


FIG 214 ALT CONFIG IN GROUND PROXIMITY. STAB = 4. FLAPS 10. IORB=8. TC OFF
CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE). GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(UJF321)	□	(CA-8) K3.1TS7H15.6.1FIOTS402G5.3.5	.178	8.000	.000	-5.000	SREF	5500.0000	SQ.FT.
(UJF322)	◇	(CA-8) K3.1TS7H15.6.1FIOTS402G5.3.5	4.024	8.000	.000	-5.000	LREF	327.8000	IN.
(UJF323)	△	(CA-8) K3.1TS7H15.6.1FIOTS402G5.3.5	8.135	8.000	.000	-5.000	BREF	2348.0000	IN.
(UJF324)	▽	(CA-8) K3.1TS7H15.6.1FIOTS402G5.3.5	8.152	8.000	.000	-5.000	XMRP	1339.9100	IN.XC
(UJF325)	△	(CA-8) K3.1TS7H15.6.1FIOTS402G5.3.5	10.053	8.000	.000	-5.000	YMRP	.0000	IN.YC
(UJF326)	▽	(CA-8) K3.1TS7H15.6.1FIOTS402G5.3.5	12.123	8.000	.000	-5.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

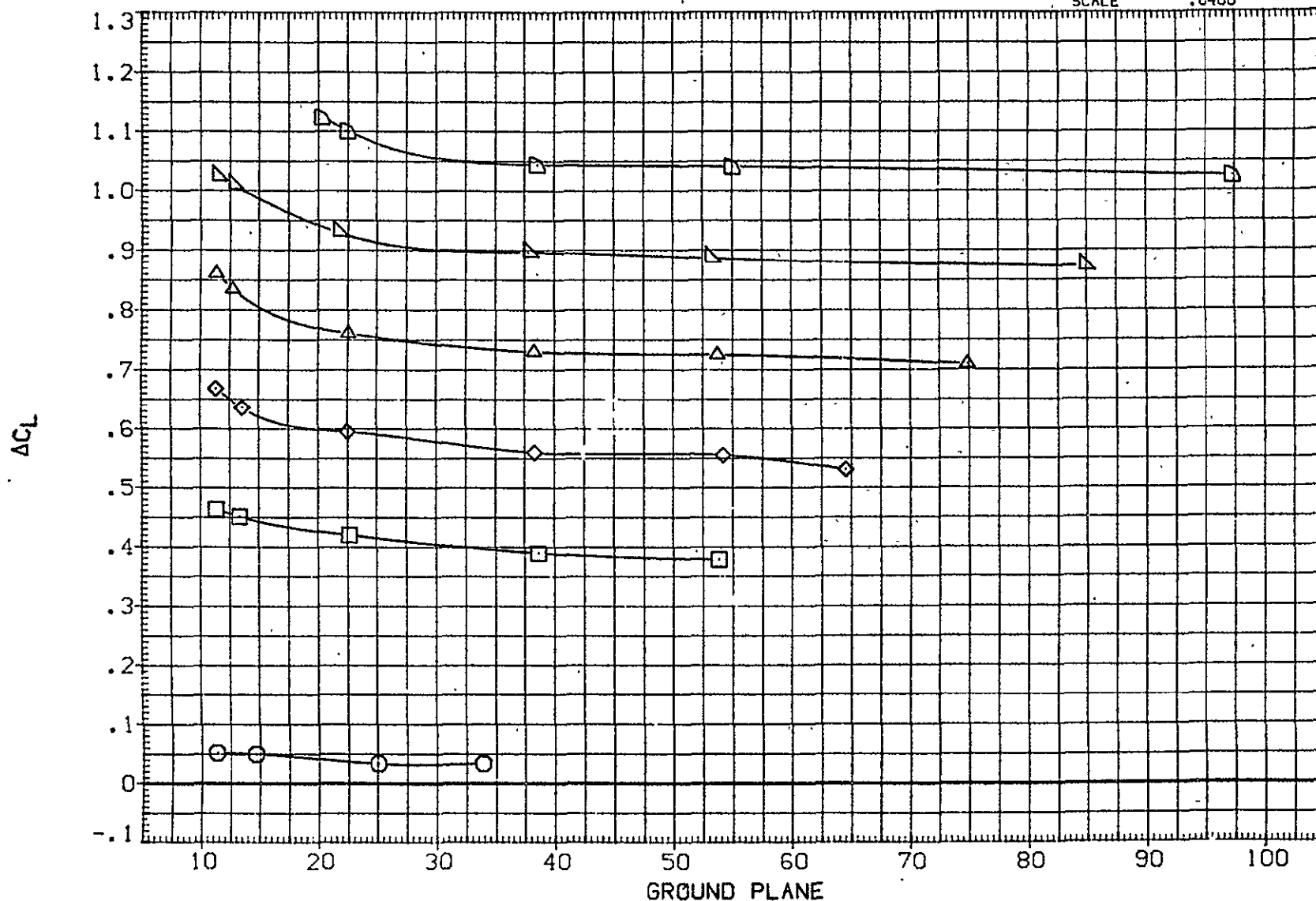


FIG 215 ALT CONFIG IN GROUND PROXIMITY, STAB = 2, FLAPS 10, IORB=8, TC OFF
 CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), GP SWEEPS
 (A)MACH = .15

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DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BOFLAP	ELEVON	REFERENCE INFORMATION		
(UJF321)	□	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	.178	8.000	.000	-5.000	SREF	5500.0000	SQ.FT.
(UJF322)	◇	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	4.024	8.000	.000	-5.000	LREF	327.8000	IN.
(UJF323)	△	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	6.135	8.000	.000	-5.000	BREF	2348.0000	IN.
(UJF324)	▽	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	8.152	8.000	.000	-5.000	XMRP	1339.9100	IN.XC
(UJF325)	△	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	10.053	8.000	.000	-5.000	YMRP	.0000	IN.YC
(UJF326)	▽	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	12.123	8.000	.000	-5.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

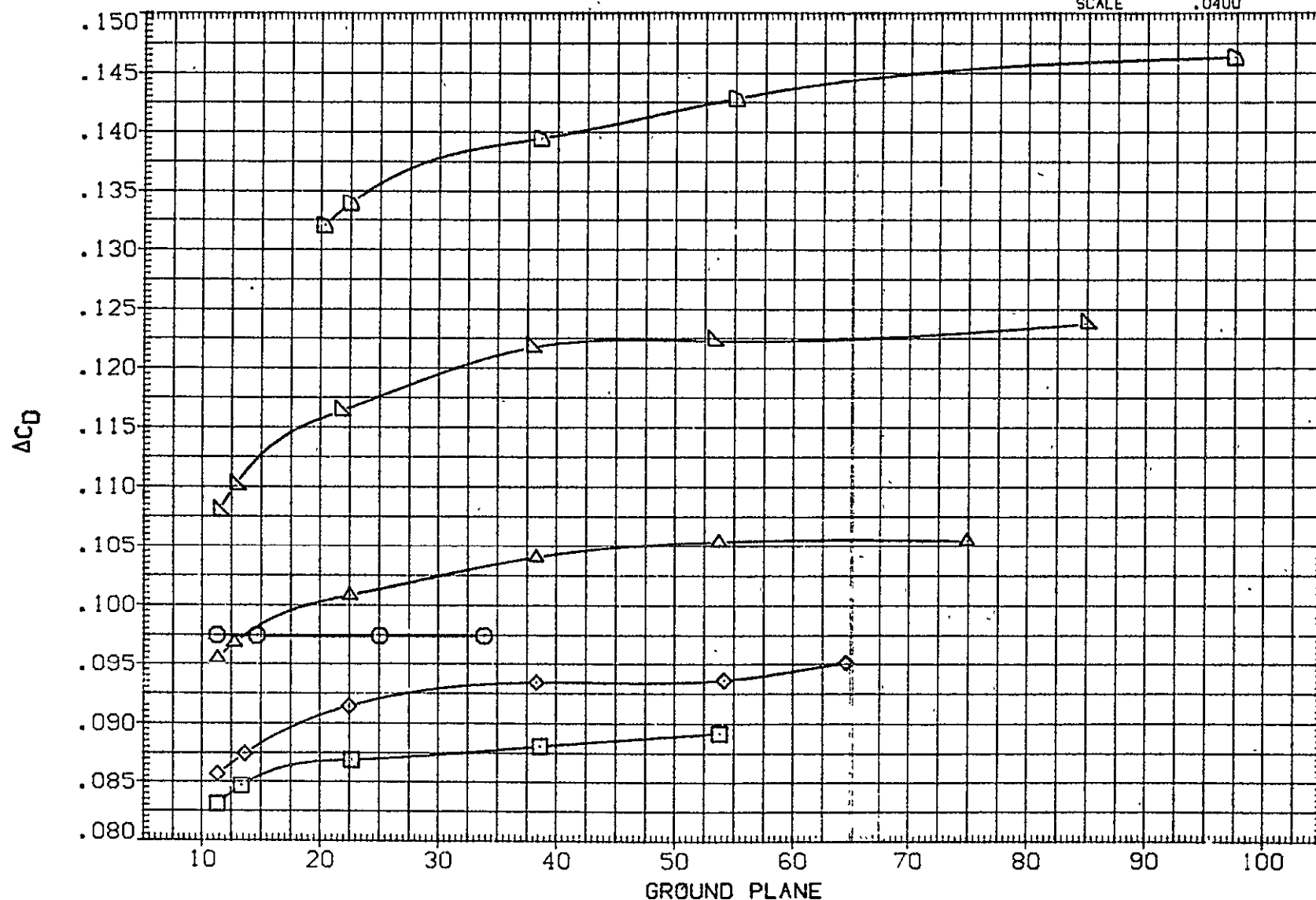


FIG 215 ALT CONFIG IN GROUND PROXIMITY, STAB = 2. FLAPS 10. IORB=8. TC OFF
 CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), GP SWEEPS
 (A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(UJF321)	○	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	.178	8.000	.000	-5.000	SREF	5500.0000	50.FT.
(UJF322)	□	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	4.024	8.000	.000	-5.000	LREF	327.8000	IN.
(UJF323)	◇	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	6.135	8.000	.000	-5.000	BREF	2348.0000	IN.
(UJF324)	△	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	8.152	8.000	.000	-5.000	XMRP	1339.9100	IN.XC
(UJF325)	▽	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	10.053	8.000	.000	-5.000	YMRP	.0000	IN.YC
(UJF326)	◻	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	12.123	8.000	.000	-5.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

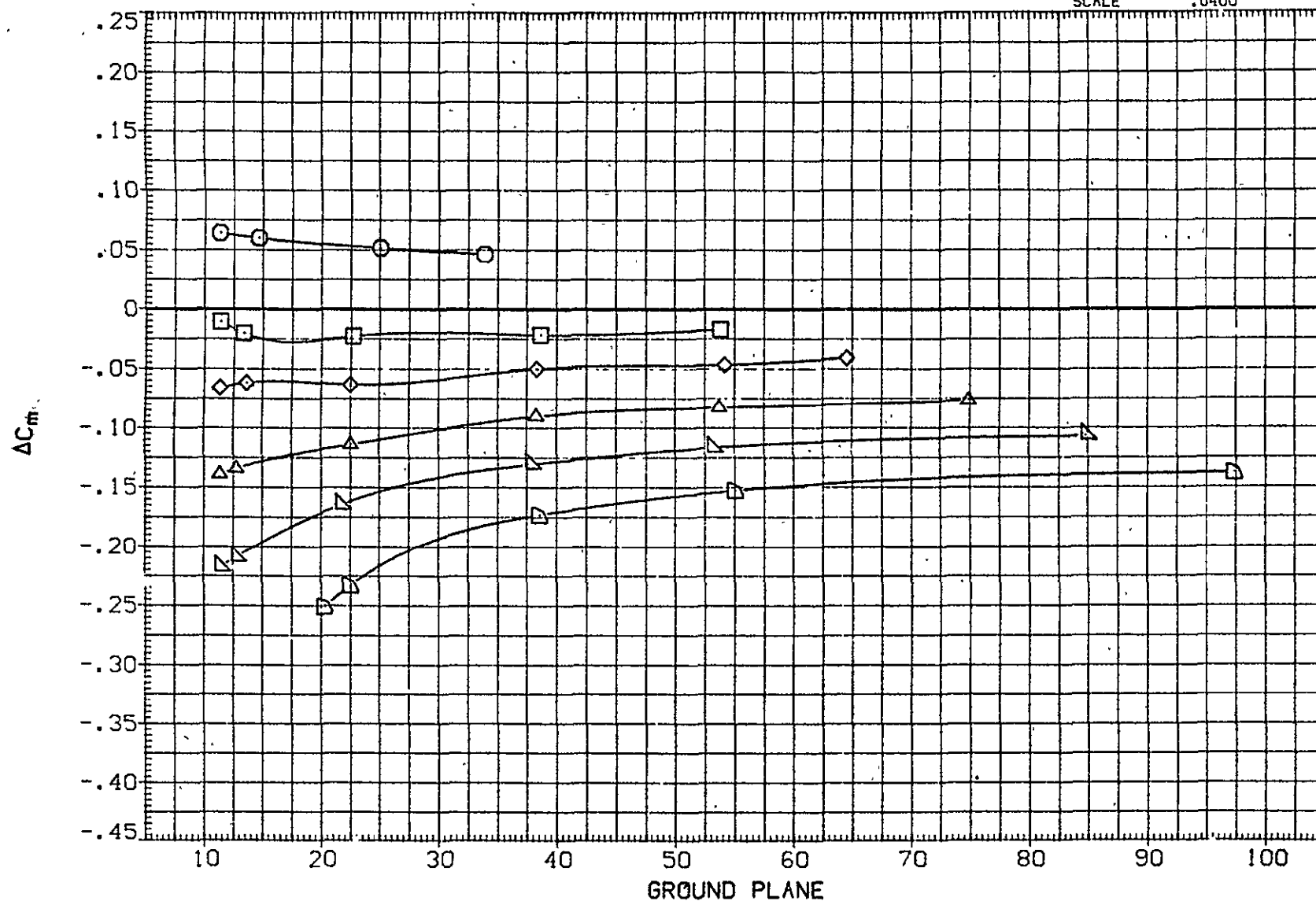


FIG 215 ALT CONFIG IN GROUND PROXIMITY, STAB = 2, FLAPS 10, IORB=8, TC OFF
 CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), GP SWEEPS
 (A)MACH = .15

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DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA _W	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(UJF315)	□	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	.206	8.000	.000	-5.000	SREF	5500.0000	50. FT.
(UJF316)	◇	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	4.136	8.000	.000	-5.000	LREF	.327.8000	IN.
(UJF317)	△	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	6.112	8.000	.000	-5.000	BREF	2348.0000	IN.
(UJF318)	▽	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	8.230	8.000	.000	-5.000	XMRP	1339.9100	IN. XC
(UJF319)	△	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	10.085	8.000	.000	-5.000	YMRP	.0000	IN. YC
(UJF320)	◇	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	12.133	8.000	.000	-5.000	ZMRP	190.7500	IN. ZC
							SCALE	.0400	

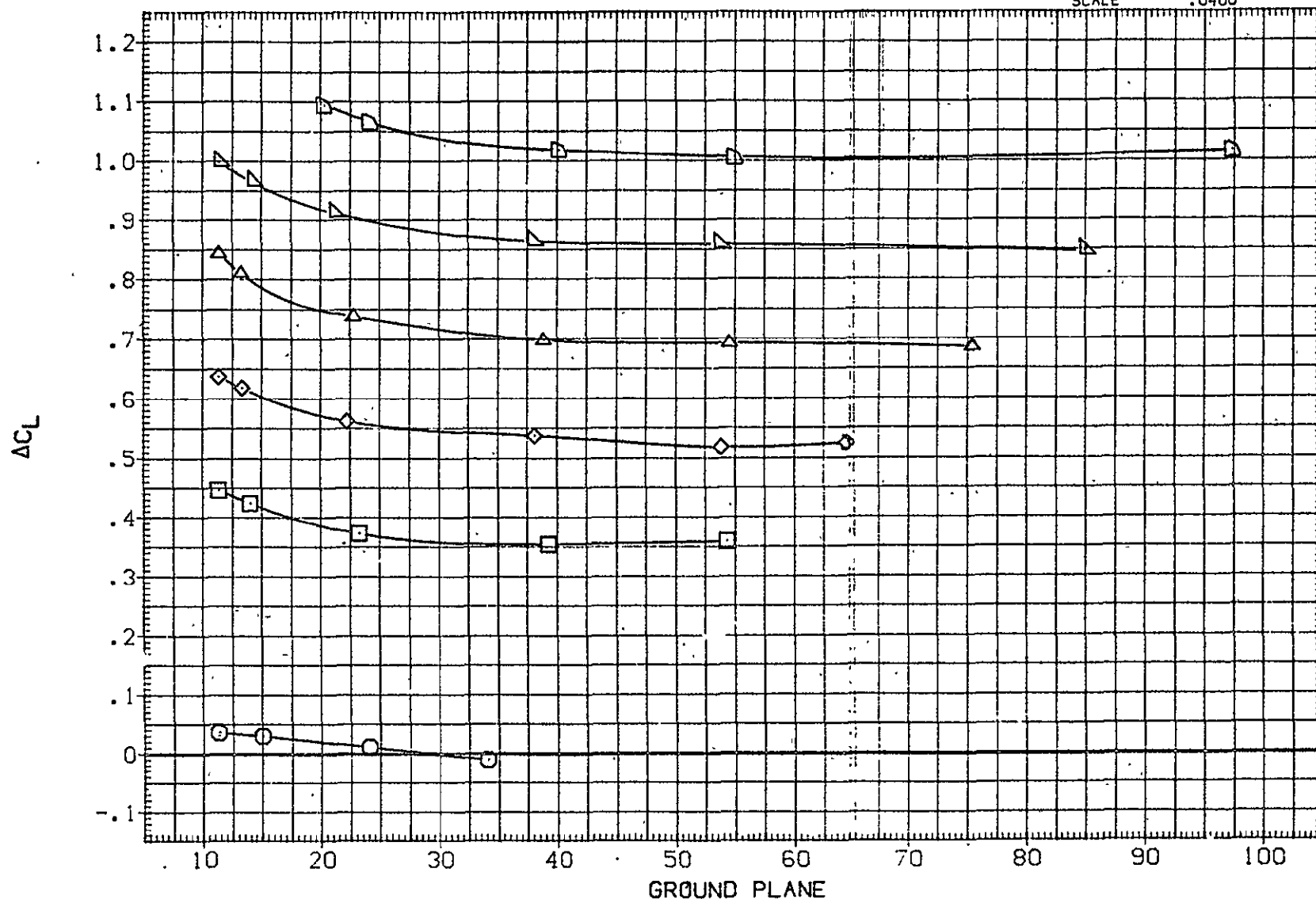


FIG 216 ALT CONFIG IN GROUND PROXIMITY. STAB = \odot , FLAPS 10, IORB=8, TC OFF
 CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), GP SWEEPS
 (A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	IORB	BOFLAP	ELEVON	REFERENCE INFORMATION		
(UJF315)	○	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	.206	8.000	.000	-5.000	SREF	5500.0000	50.FT.
(UJF316)	□	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	4.136	8.000	.000	-5.000	LREF	327.8000	IN.
(UJF317)	◇	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	6.112	8.000	.000	-5.000	BREF	2348.0000	IN.
(UJF318)	△	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	8.230	8.000	.000	-5.000	XM RP	1339.9100	IN.XC
(UJF319)	▽	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	10.085	8.000	.000	-5.000	YM RP	.0000	IN.YC
(UJF320)	▷	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	12.133	8.000	.000	-5.000	ZM RP	190.7500	IN.ZC
							SCALE	.0400	

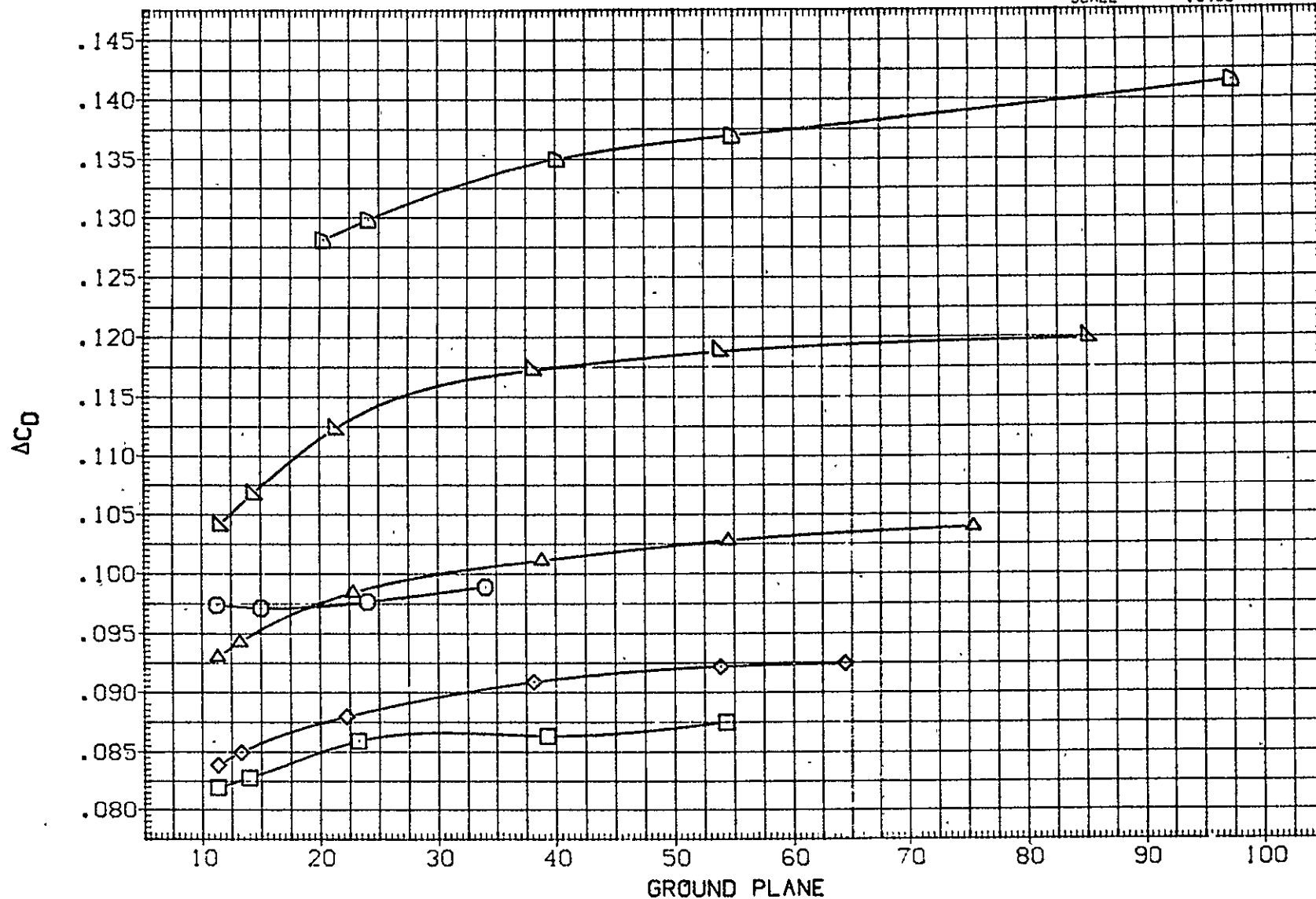


FIG 216 ALT CONFIG IN GROUND PROXIMITY, STAB = 0. FLAPS 10. IORB=8. TC OFF
 CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE). GP SWEEPS
 (A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(UJF315)	○	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	.206	8.000	.000	-5.000	SREF	5500.0000	SQ.FT.
(UJF316)	□	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	4.136	8.000	.000	-5.000	LREF	327.8000	IN.
(UJF317)	◇	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	6.112	8.000	.000	-5.000	BREF	2348.0000	IN.
(UJF318)	△	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	8.230	8.000	.000	-5.000	XMRP	1339.9100	IN.XC
(UJF319)	▽	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	10.085	8.000	.000	-5.000	YMRP	.0000	IN.YC
(UJF320)	◻	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	12.133	8.000	.000	-5.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

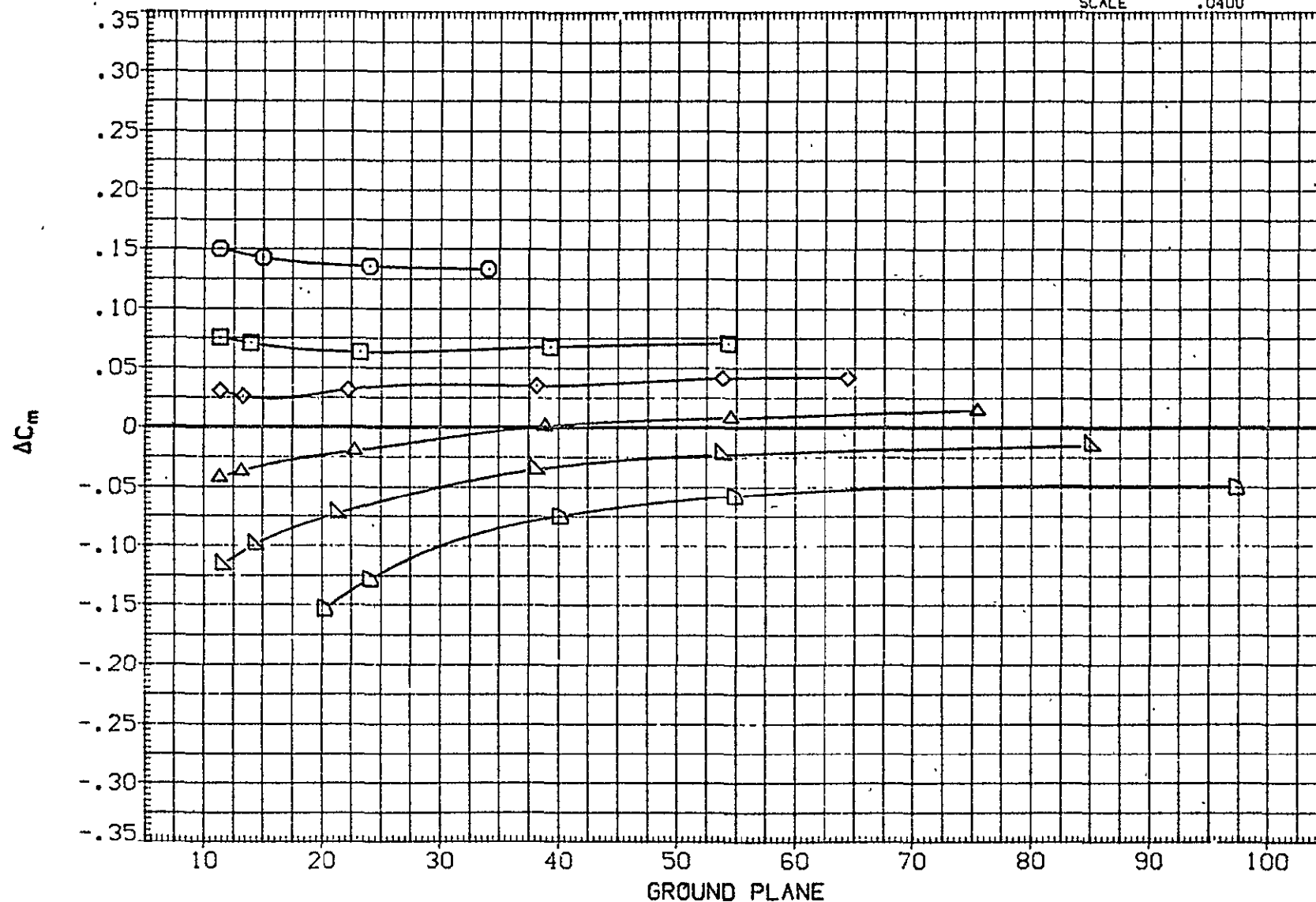


FIG 216 ALT CONFIG IN GROUND PROXIMITY, STAB = 0, FLAPS 10, IORB=8, TC OFF
 CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), GP SWEEPS
 (A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BOFLAP	ELEVON	REFERENCE INFORMATION		
(UJF303)	□	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	.255	8.000	.000	-3.000	SREF	5500.0000	50. FT.
(UJF304)	□	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	.4.075	8.000	.000	-5.000	LREF	327.8000	IN.
(UJF305)	◇	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	6.060	8.000	.000	-5.000	BREF	2348.0000	IN.
(UJF306)	△	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	8.107	8.000	.000	-5.000	XMRP	1339.9100	IN. XC
(UJF307)	△	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	10.128	8.000	.000	-5.000	YMRP	.0000	IN. YC
(UJF308)	◇	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	12.145	8.000	.000	-5.000	ZMRP	190.7500	IN. ZC
							SCALE	.0400	

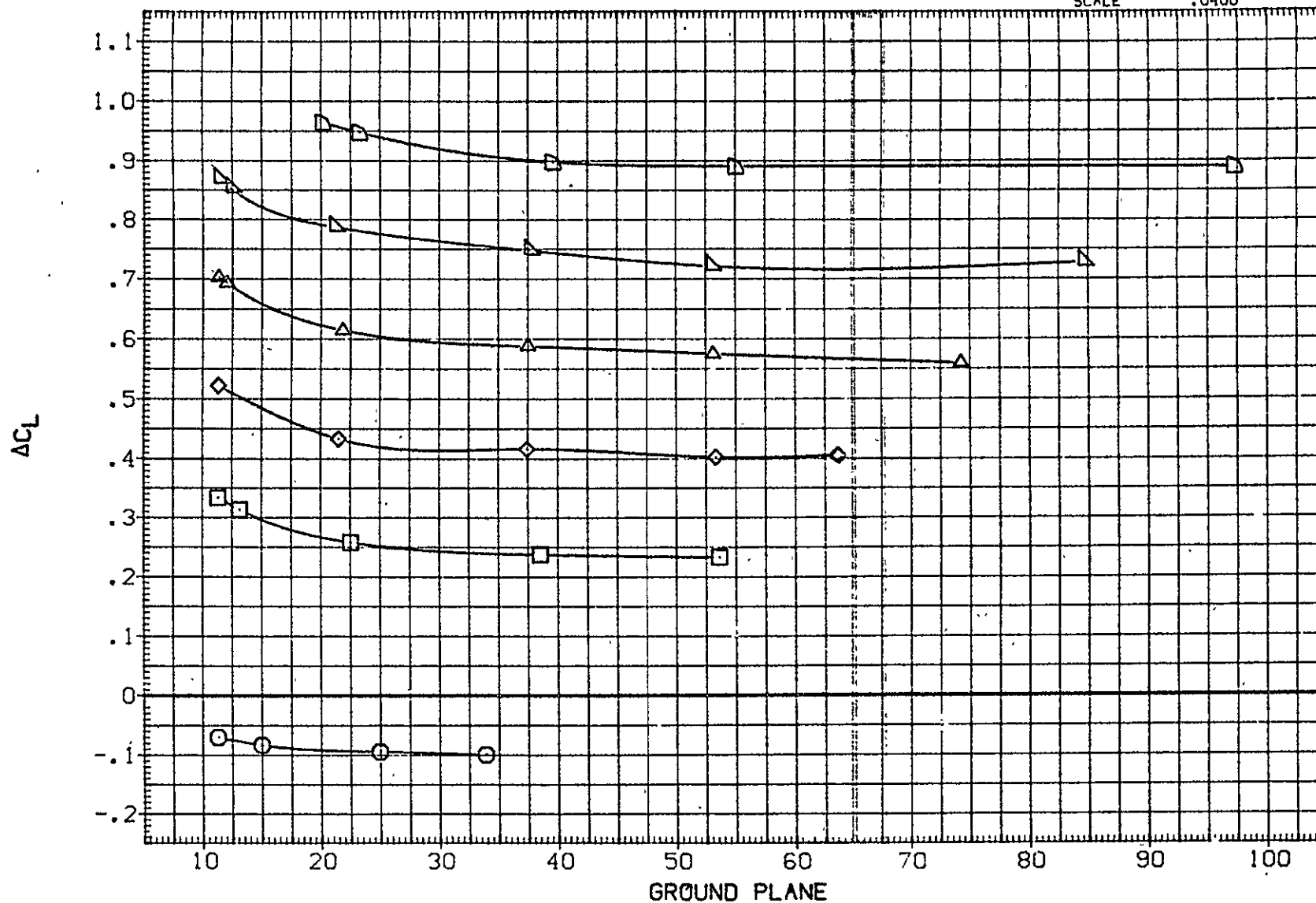


FIG 217 ALT CONFIG IN GROUND PROXIMITY. STAB = ○. ELEVTR=-23. IORB=8. TC OFF
 CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE). GP SWEEPS
 (A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(UJF303)	○	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	.255	8.000	.000	-5.000	SREF	5500.0000	50. FT.
(UJF304)	□	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	4.075	8.000	.000	-5.000	LREF	327.8000	IN.
(UJF305)	◇	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	6.060	8.000	.000	-5.000	BREF	2348.0000	IN.
(UJF306)	△	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	8.107	8.000	.000	-5.000	XMRP	1339.9100	IN. XC
(UJF307)	▽	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	10.128	8.000	.000	-5.000	YMRP	.0000	IN. YC
(UJF308)	◻	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	12.145	8.000	.000	-5.000	ZMRP	190.7500	IN. ZC
							SCALE	.0400	

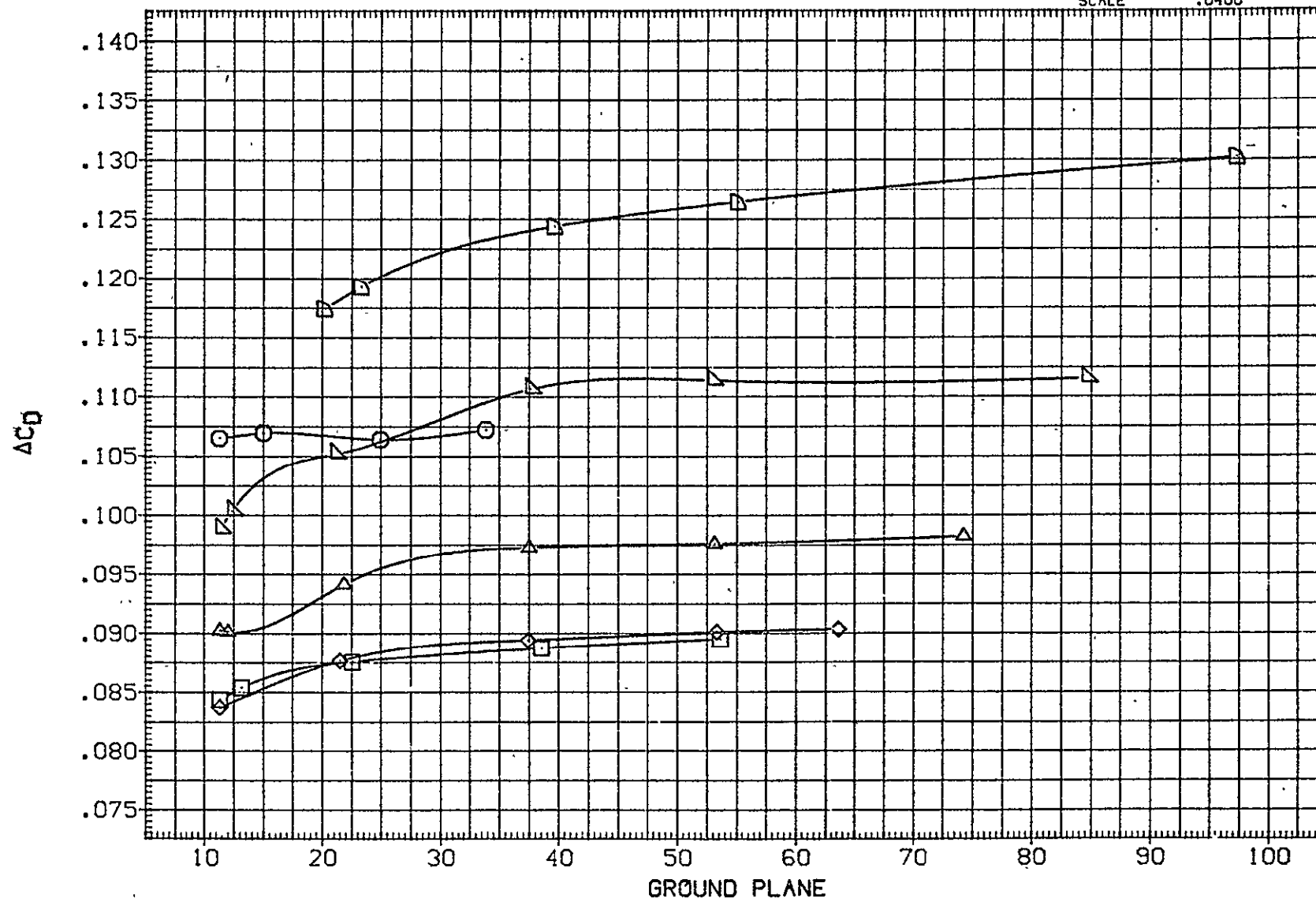


FIG 217 ALT CONFIG IN GROUND PROXIMITY. STAB = 0. ELEVTR=-23. IORB=8. TC OFF CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), GP SWEEPS
 (A)MACH = .15 PAGE 727

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BOFLAP	ELEVON	REFERENCE INFORMATION		
(UJF303)	○	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	.255	8.000	.000	-5.000	SREF	5500.0000	50.FT.
(UJF304)	□	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	4.075	8.000	.000	-5.000	LREF	327.8000	IN.
(UJF305)	◇	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	6.060	8.000	.000	-5.000	BREF	2348.0000	IN.
(UJF306)	△	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	8.107	8.000	.000	-5.000	XMRP	1339.9100	IN.XC
(UJF307)	▽	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	10.128	8.000	.000	-5.000	YMRP	.0000	IN.YC
(UJF308)	◻	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	12.145	8.000	.000	-5.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

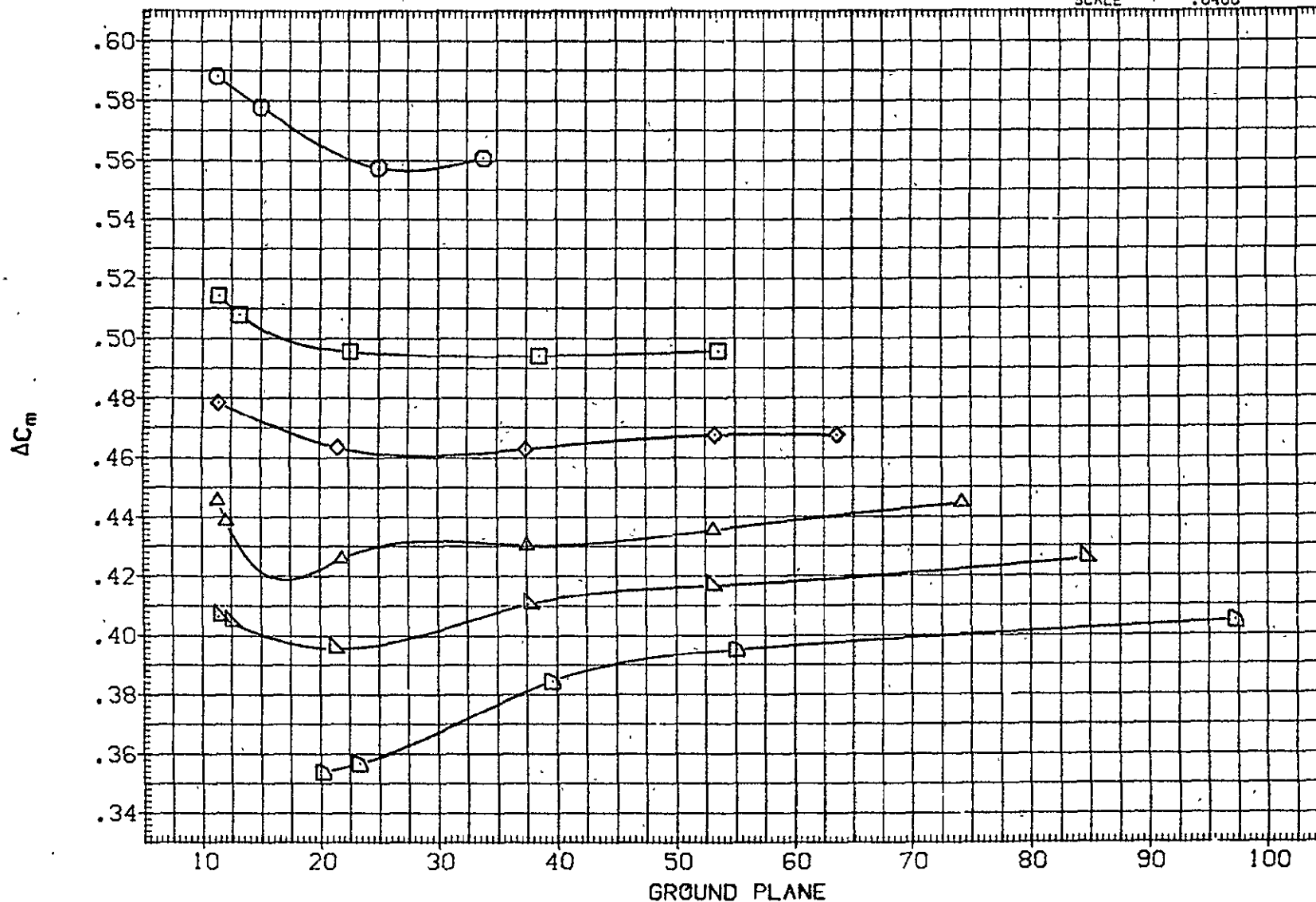


FIG 217 ALT CONFIG IN GROUND PROXIMITY, STAB = 0. ELEVTR=-23, IORB=8, TC OFF
CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), GP SWEEPS

(A)MACH = .15

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REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	IORB	BOFLAP	ELEVON	REFERENCE INFORMATION		
(UJF247)	○	(CA-8) K3.1TS7 F30TS402G5.3.5	.185	8.000	.000	-5.000	SREF	5500.0000	50.FT.
(UJF248)	□	(CA-8) K3.1TS7 F30TS402G5.3.5	4.176	8.000	.000	-5.000	LREF	327.8000	IN.
(UJF249)	◇	(CA-8) K3.1TS7 F30TS402G5.3.5	6.162	8.000	.000	-5.000	BREF	2348.0000	IN.
(UJF250)	△	(CA-8) K3.1TS7 F30TS402G5.3.5	8.199	8.000	.000	-5.000	XMRP	1339.9100	IN.XC
(UJF251)	▽	(CA-8) K3.1TS7 F30TS402G5.3.5	10.114	8.000	.000	-5.000	YMRP	.0000	IN.YC
(UJF252)	◻	(CA-8) K3.1TS7 F30TS402G5.3.5	12.218	8.000	.000	-5.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

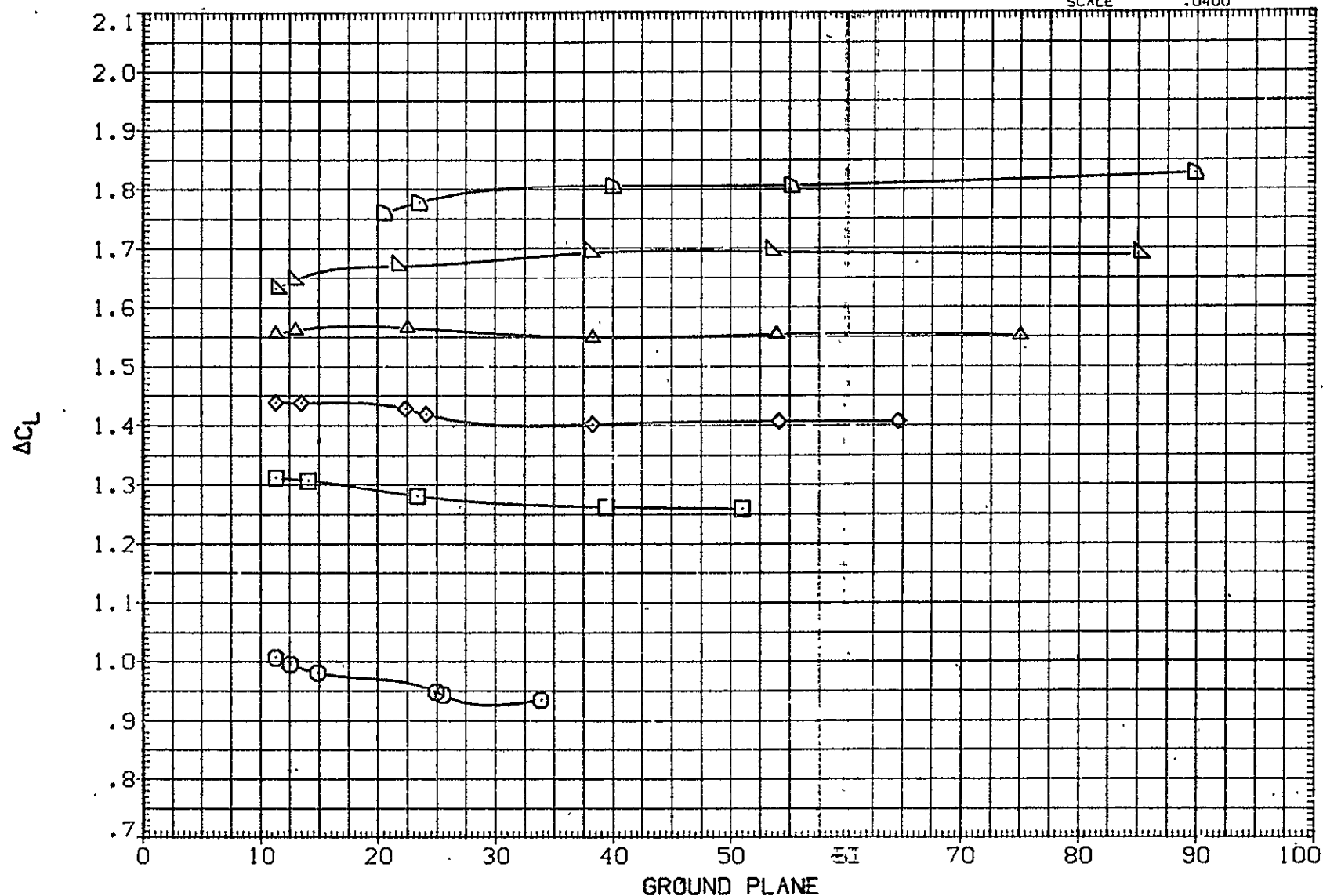


FIG 218 ALT CONFIG IN GROUND PROXIMITY, HORIZ OFF, FLAPS 30. IORB=8, TC OFF
CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(UJF247)	○	(CA-8) K3.1TS7 F30TS40265.3.5	.185	8.000	.000	-5.000	SREF	5500.0000	50.FT.
(UJF248)	□	(CA-8) K3.1TS7 F30TS40265.3.5	4.176	8.000	.000	-5.000	LREF	327.8000	IN.
(UJF249)	◇	(CA-8) K3.1TS7 F30TS40265.3.5	6.162	8.000	.000	-5.000	BREF	2348.0000	IN.
(UJF250)	△	(CA-8) K3.1TS7 F30TS40265.3.5	8.199	8.000	.000	-5.000	XMRP	1339.9100	IN.XC
(UJF251)	▽	(CA-8) K3.1TS7 F30TS40265.3.5	10.114	8.000	.000	-5.000	YMRP	.0000	IN.YC
(UJF252)	◇	(CA-8) K3.1TS7 F30TS40265.3.5	12.218	8.000	.000	-5.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

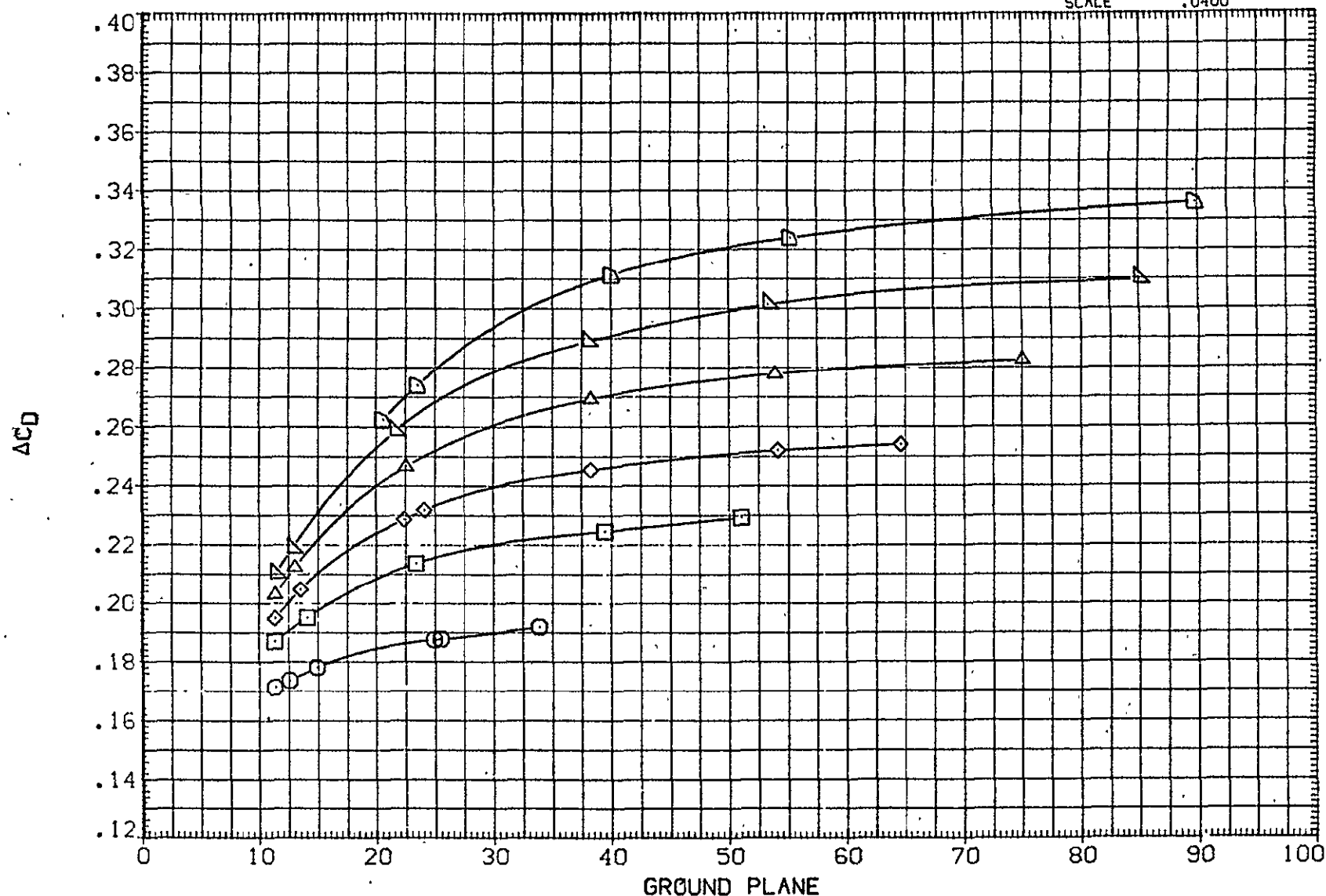


FIG 218 ALT CONFIG IN GROUND PROXIMITY, HORIZ OFF, FLAPS 30, IORB=8, TC OFF
 CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), GP SWEEPS
 (A)MACH = .15 PAGE 730

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(UJF247)	○	(CA-8) K3.1TS7 F30TS402G5.3.5	.185	8.000	.000	-5.000	SREF	5500.0000	SQ.FT.
(UJF248)	□	(CA-8) K3.1TS7 F30TS402G5.3.5	4.176	8.000	.000	-5.000	LREF	327.8000	IN.
(UJF249)	◇	(CA-8) K3.1TS7 F30TS402G5.3.5	6.162	8.000	.000	-5.000	BREF	2348.0000	IN.
(UJF250)	△	(CA-8) K3.1TS7 F30TS402G5.3.5	8.199	8.000	.000	-5.000	XMRP	1339.9100	IN.XC
(UJF251)	▽	(CA-8) K3.1TS7 F30TS402G5.3.5	10.114	8.000	.000	-5.000	YMRP	.0000	IN.YC
(UJF252)	◇	(CA-8) K3.1TS7 F30TS402G5.3.5	12.218	8.000	.000	-5.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

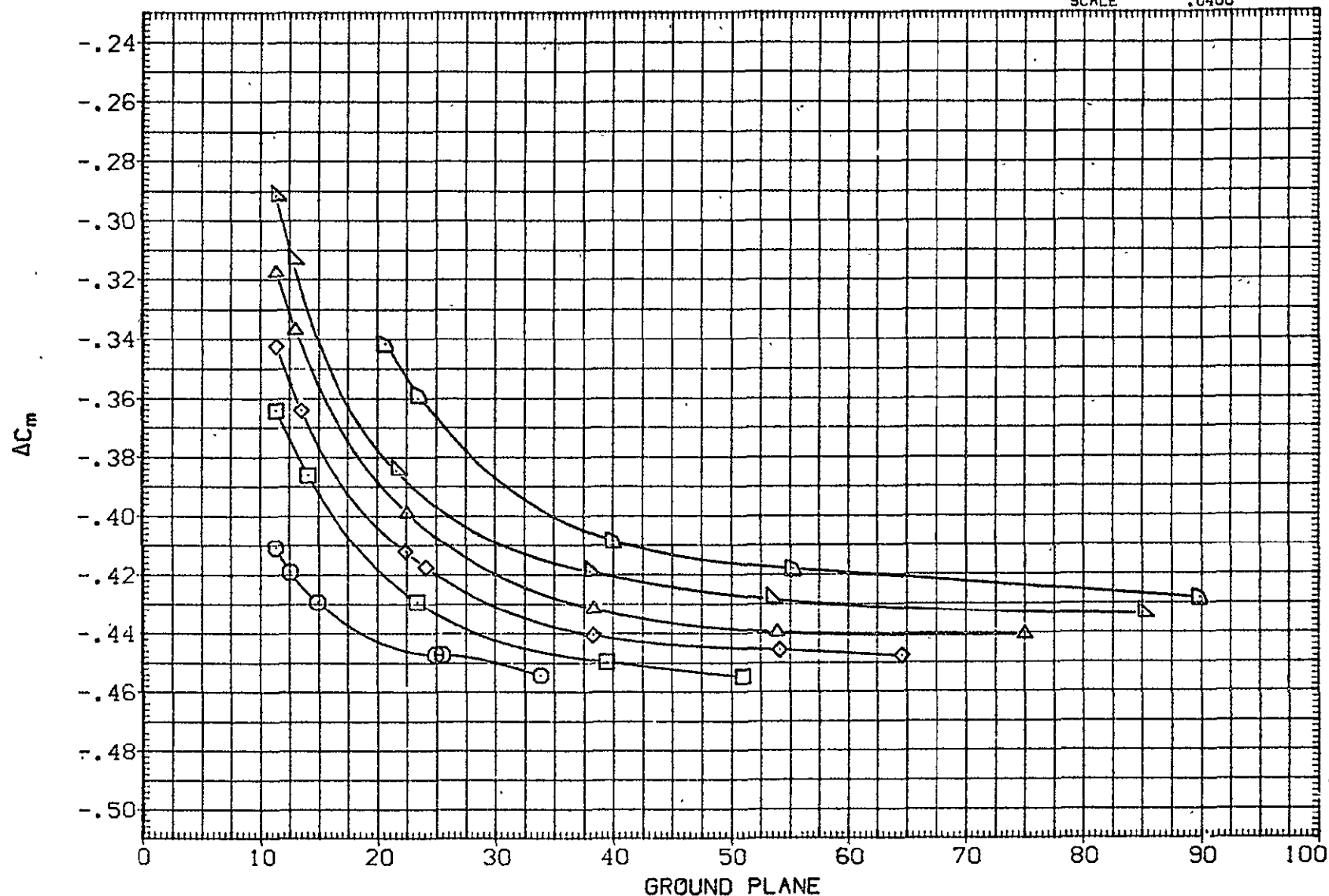


FIG 218 ALT CONFIG IN GROUND PROXIMITY, HORIZ OFF, FLAPS 30, IORB=8, TC OFF
 CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE). GP SWEEPS
 (A)MACH = .15 PAGE 731

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BOFLAP	ELEVON	REFERENCE INFORMATION		
(UJF253)	□	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	.182	8.000	.000	-5.000	SREF	5500.0000	SQ.FT.
(UJF254)	□	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	4.155	8.000	.000	-5.000	LREF	327.8000	IN.
(UJF255)	□	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	6.113	8.000	.000	-5.000	BREF	2348.0000	IN.
(UJF256)	◇	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	8.174	8.000	.000	-5.000	XMRP	1339.9100	IN.XC
(UJF257)	◇	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	10.184	8.000	.000	-5.000	YMRP	.0000	IN.YC
(UJF258)	◇	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	12.229	8.000	.000	-5.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

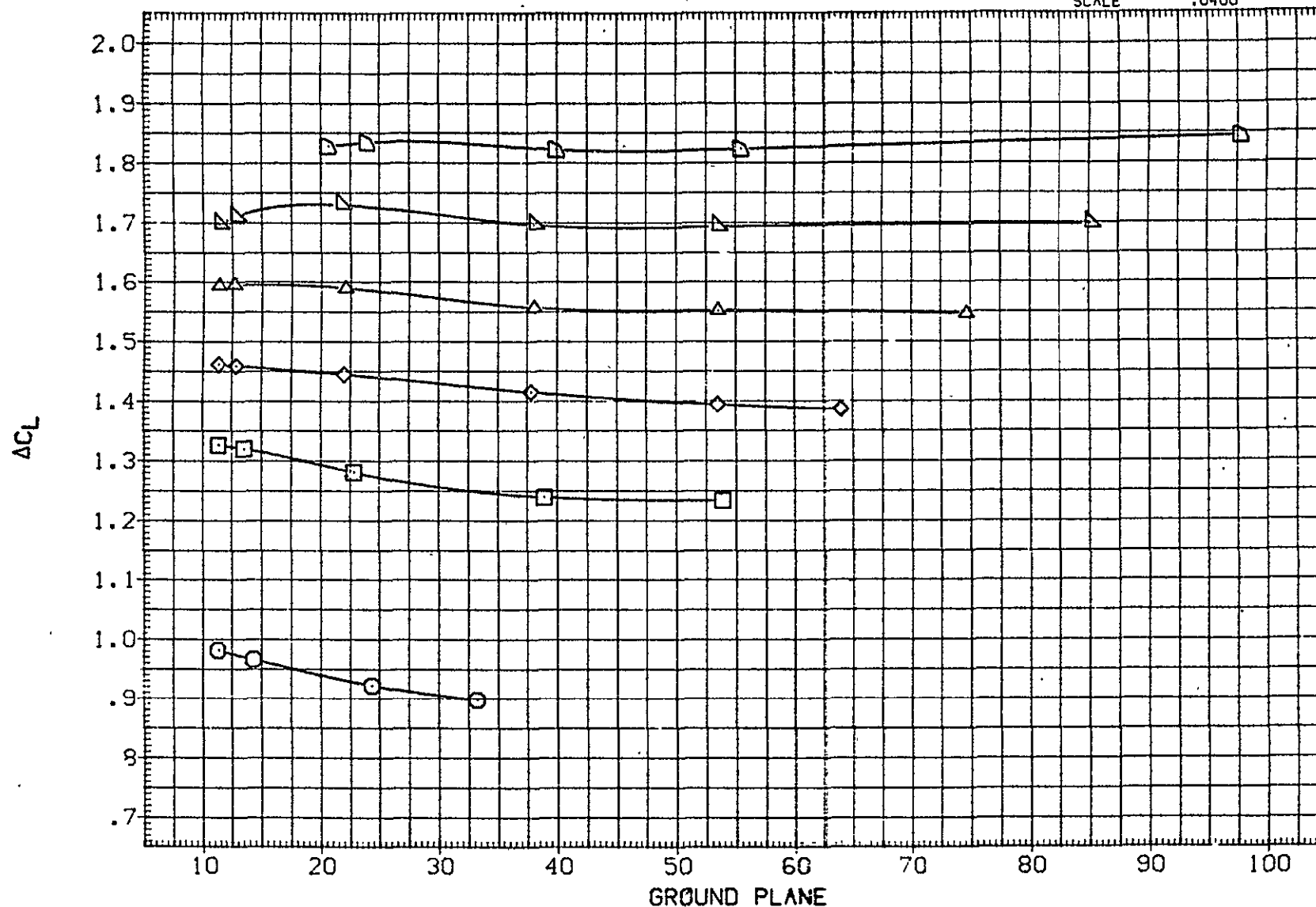


FIG 219 ALT CONFIG IN GROUND PROXIMITY, STAB = 2. FLAPS 30. IORB=8. TC OFF
 CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE). GP SWEEPS
 (A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(UJF253)	○	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	.192	8.000	.000	-5.000	SREF	5500.0000	50, FT.
(UJF254)	□	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	4.155	8.000	.000	-5.000	LREF	327.8000	IN.
(UJF255)	◇	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	6.113	8.000	.000	-5.000	BREF	2349.0000	IN.
(UJF256)	△	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	8.174	8.000	.000	-5.000	XMRP	1339.9100	IN. XC
(UJF257)	▽	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	10.184	8.000	.000	-5.000	YMRP	.0000	IN. YC
(UJF258)	◻	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	12.229	8.000	.000	-5.000	ZMRP	190.7500	IN. ZC
							SCALE	.0400	

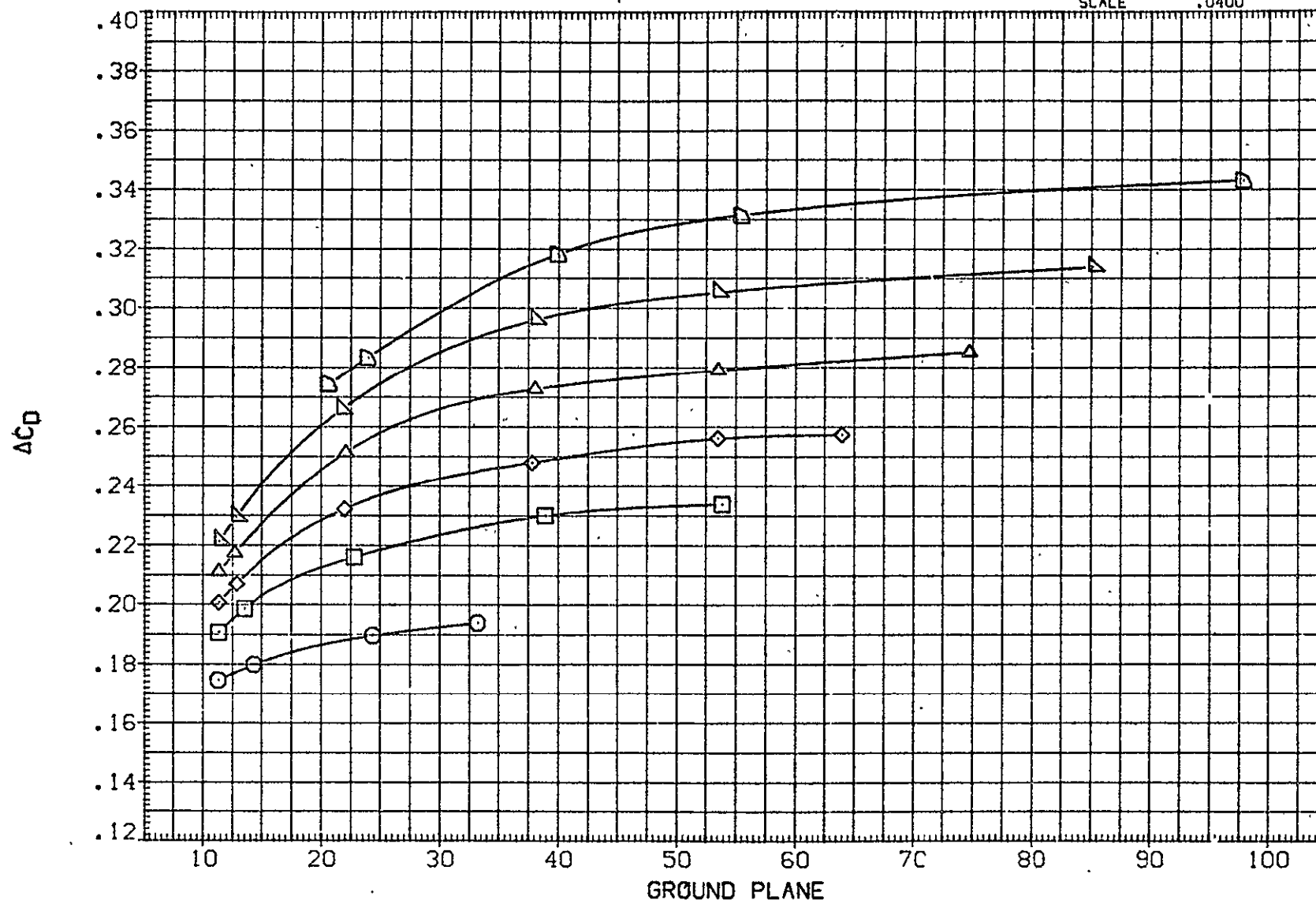


FIG 219 ALT CONFIG IN GROUND PROXIMITY, STAB = 2. FLAPS 30, IORB=8, TC OFF
 CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), GP SWEEPS
 (A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(UJF253)	○	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	.182	8.000	.000	-5.000	SREF	5500.0000	SQ.FT.
(UJF254)	□	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	4.155	8.000	.000	-5.000	LREF	327.8000	IN.
(UJF255)	◇	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	6.113	8.000	.000	-5.000	BREF	2348.0000	IN.
(UJF256)	△	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	8.174	8.000	.000	-5.000	XMRP	1339.9100	IN.XC
(UJF257)	▽	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	10.184	8.000	.000	-5.000	YMRP	.0000	IN.YC
(UJF258)	◻	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	12.229	8.000	.000	-5.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

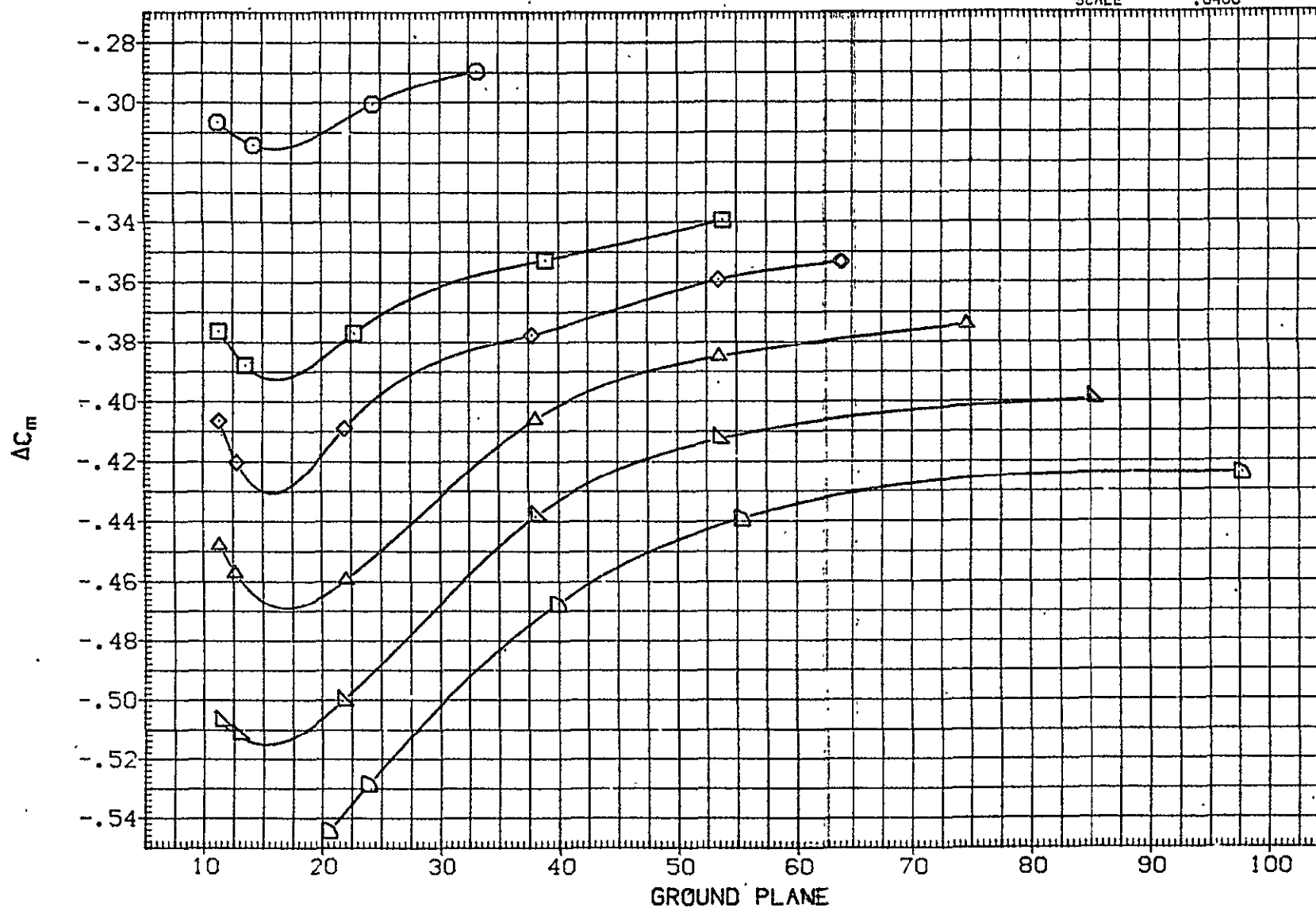


FIG 219 ALT CONFIG IN GROUND PROXIMITY. STAB = 2. FLAPS 30. IORB=8. TC OFF
 CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE). GP SWEEPS
 (A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(UJF266)	○	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	.092	8.000	.000	-5.000	SREF	5500.0000	SQ.FT.
(UJF267)	□	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	4.187	8.000	.000	-5.000	LREF	327.8000	IN.
(UJF268)	◇	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	6.100	8.000	.000	-5.000	BREF	2348.0000	IN.
(UJF269)	△	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	8.172	8.000	.000	-5.000	XMRP	1339.9100	IN. XC
(UJF270)	▽	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	10.130	8.000	.000	-5.000	YMRP	.0000	IN. YC
(UJF271)	◻	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	12.184	8.000	.000	-5.000	ZMRP	190.7500	IN. ZC
							SCALE	.0400	

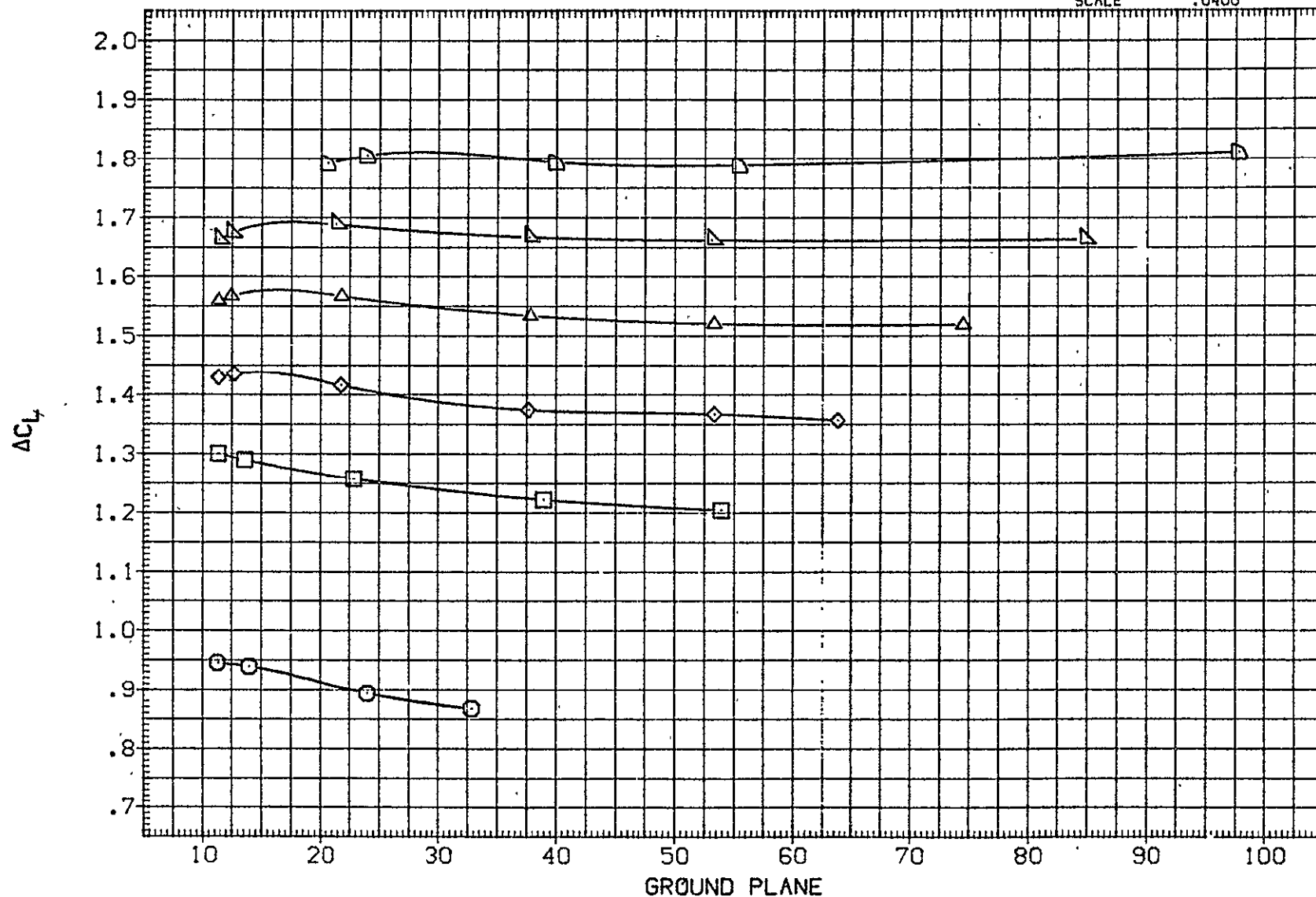


FIG 220 ALT CONFIG IN GROUND PROXIMITY, STAB = 0, FLAPS 30, IORB=8, TC OFF
 CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), GP SWEEPS
 (A) MACH = .15 PAGE 735

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA _W	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(UJF266)	○	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	.092	8.000	.000	-5.000	SREF	5500.0000	SQ.FT.
(UJF267)	◇	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	4.187	8.000	.000	-5.000	LREF	327.8000	IN.
(UJF268)	◇	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	6.100	8.000	.000	-5.000	BREF	2348.0000	IN.
(UJF269)	△	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	8.172	8.000	.000	-5.000	XMRF	1339.9100	IN.XC
(UJF270)	△	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	10.130	8.000	.000	-5.000	YMRP	.0000	IN.YC
(UJF271)	△	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	12.184	8.000	.000	-5.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

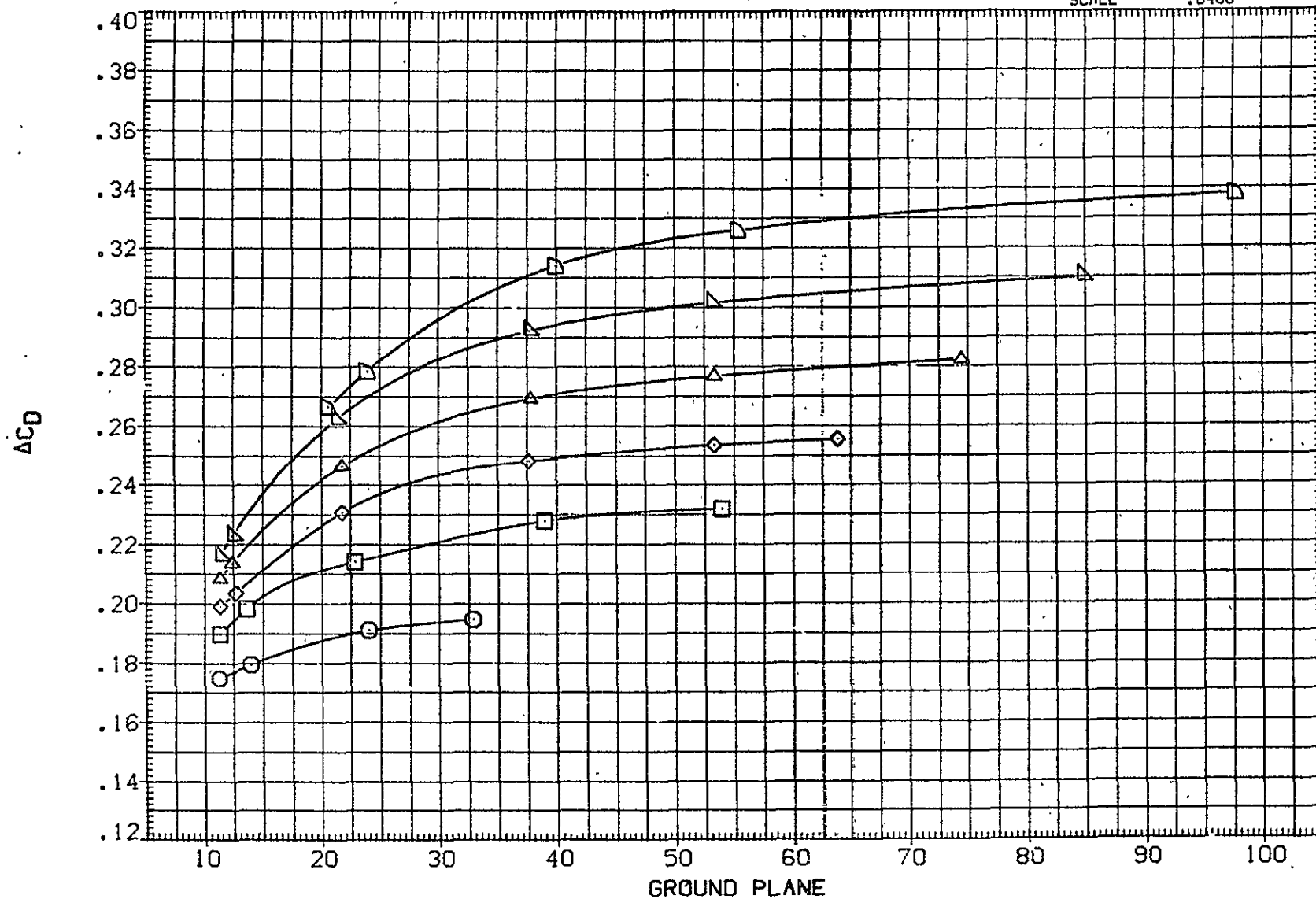


FIG 220 ALT CONFIG IN GROUND PROXIMITY, STAB = 0, FLAPS 30, IORB=8, TC OFF
 CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), GP SWEEPS
 (A) MACH = .15 PAGE 736

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA _W	I _{ORB}	BD _{FLAP}	ELEVON	REFERENCE INFORMATION		
(UJF266)	○	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	.092	8.000	.000	-5.000	SREF	5500.0000	50. FT.
(UJF267)	□	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	4.187	8.000	.000	-5.000	LREF	327.8000	IN.
(UJF268)	◇	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	6.100	8.000	.000	-5.000	BREF	2348.0000	IN.
(UJF269)	△	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	8.172	8.000	.000	-5.000	XMRP	1339.9100	IN. XC
(UJF270)	▽	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	10.130	8.000	.000	-5.000	YMRP	.0000	IN. YC
(UJF271)	◻	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	12.184	8.000	.000	-5.000	ZMRP	190.7500	IN. ZC
							SCALE	.0400	

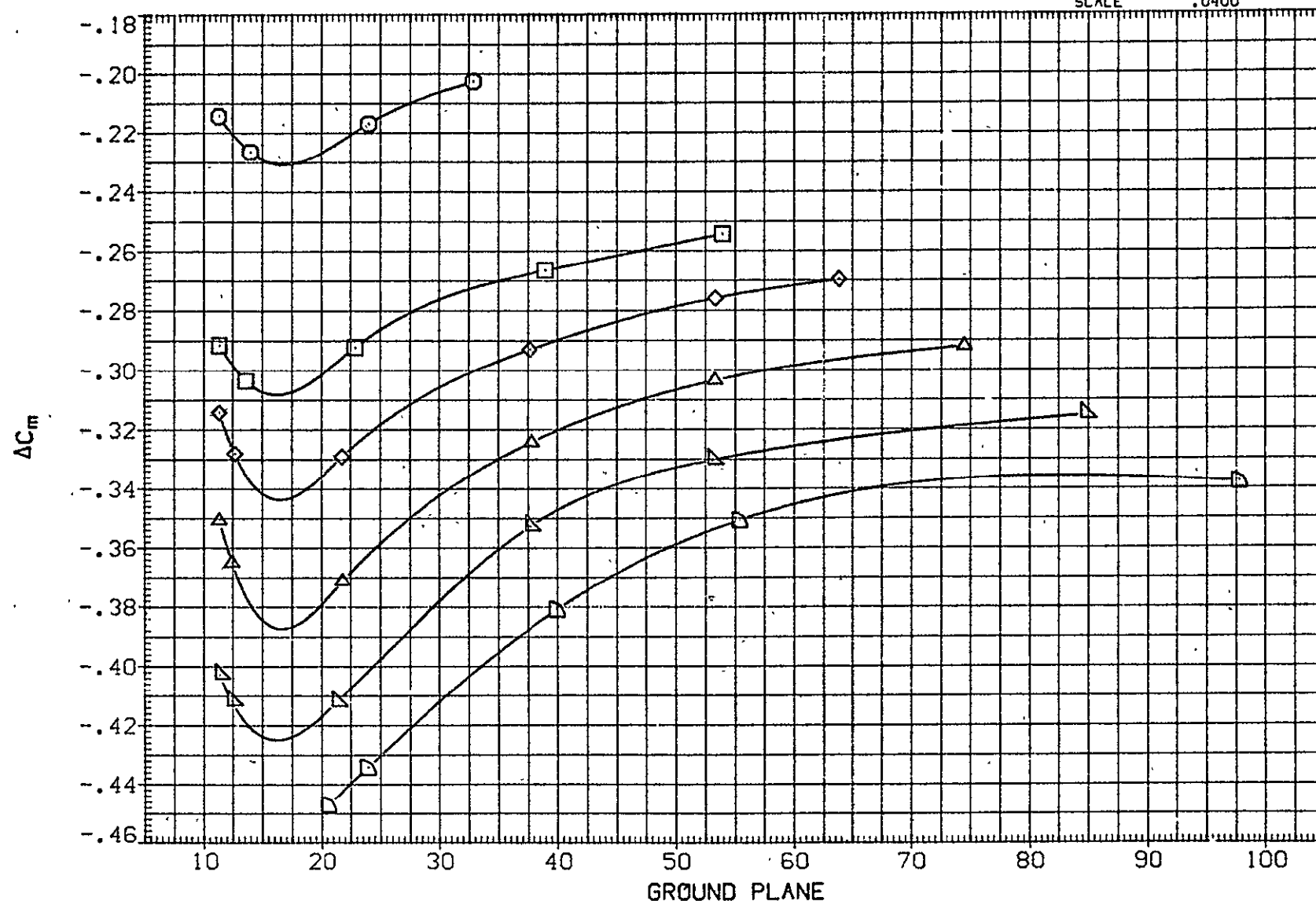


FIG 220 ALT CONFIG IN GROUND PROXIMITY, STAB = 0. FLAPS 30. I_{ORB}=8. TC OFF
CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA W	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(UJF259)	○	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	.137	8.000	.000	-5.000	SREF	5500.0000	50. FT.
(UJF260)	□	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	4.181	8.000	.000	-5.000	LREF	327.8000	IN.
(UJF261)	◇	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	6.166	8.000	.000	-5.000	BREF	2348.0000	IN.
(UJF262)	△	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	8.149	8.000	.000	-5.000	XMRP	1339.9100	IN. XC
(UJF263)	▽	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	10.166	8.000	.000	-5.000	YMRP	.0000	IN. YC
(UJF264)	▷	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	12.163	8.000	.000	-5.000	ZMRP	190.7500	IN. ZC
							SCALE	.0400	

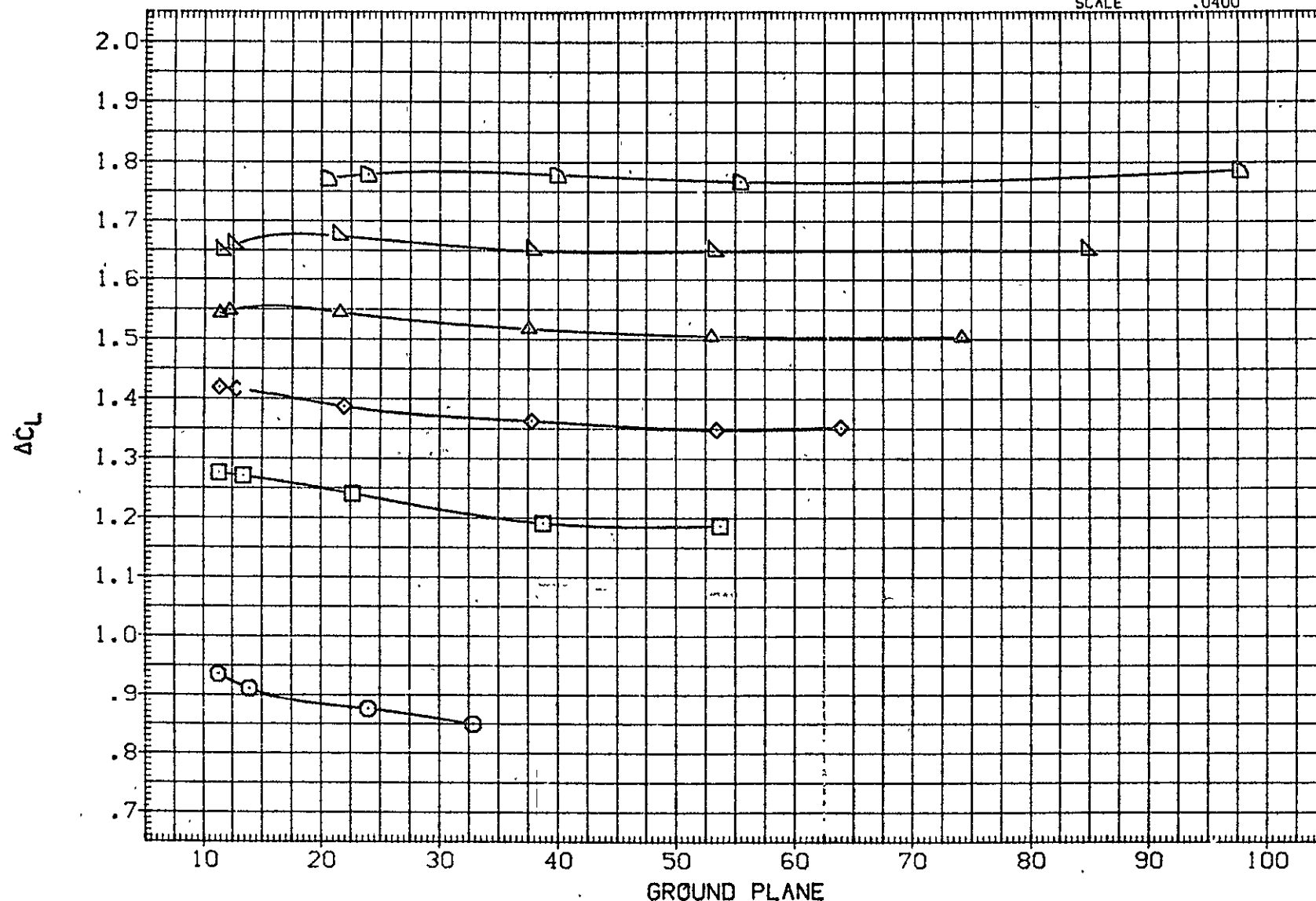


FIG 221 ALT CONFIG IN GROUND PROXIMITY, STAB = -2. FLAPS 30. IORB=8. TC OFF
CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE). GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	IORB	BOFLAP	ELEVON	REFERENCE INFORMATION		
(UJF259)	□	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	.137	8.000	.000	-5.000	SREF	5500.0000	50.FT.
(UJF260)	□	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	4.181	8.000	.000	-5.000	LREF	327.8000	IN.
(UJF261)	◇	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	6.166	8.000	.000	-5.000	BREF	2348.0000	IN.
(UJF262)	△	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	8.149	8.000	.000	-5.000	XMRP	1339.9100	IN.XC
(UJF263)	△	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	10.166	8.000	.000	-5.000	YMRP	.0000	IN.YC
(UJF264)	△	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	12.163	8.000	.000	-5.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

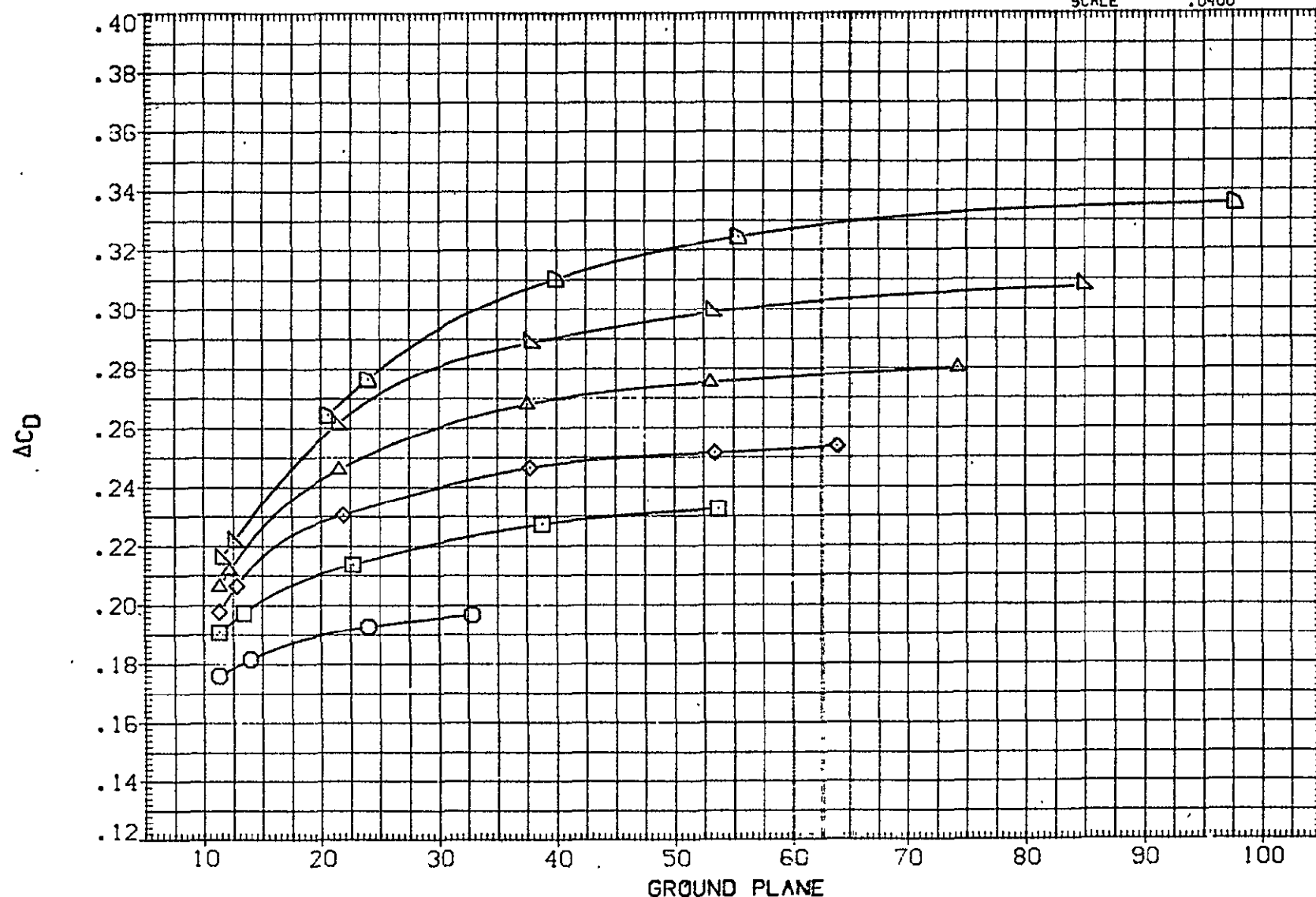


FIG 221 ALT CONFIG IN GROUND PROXIMITY, STAB = -2, FLAPS 30, IORB=8, TC OFF
 CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), GP SWEEPS
 (A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(UJF259)	□	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	.137	8.000	.000	-5.000	SREF	5500.0000	-SQ.FT.
(UJF260)	□	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	4.181	8.000	.000	-5.000	LREF	327.8000	IN.
(UJF261)	◇	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	6.166	8.000	.000	-5.000	BREF	2348.0000	IN.
(UJF262)	◇	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	8.149	8.000	.000	-5.000	XMRP	1339.9100	IN.XC
(UJF263)	△	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	10.166	8.000	.000	-5.000	YMRP	.0000	IN.YC
(UJF264)	△	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	12.163	8.000	.000	-5.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

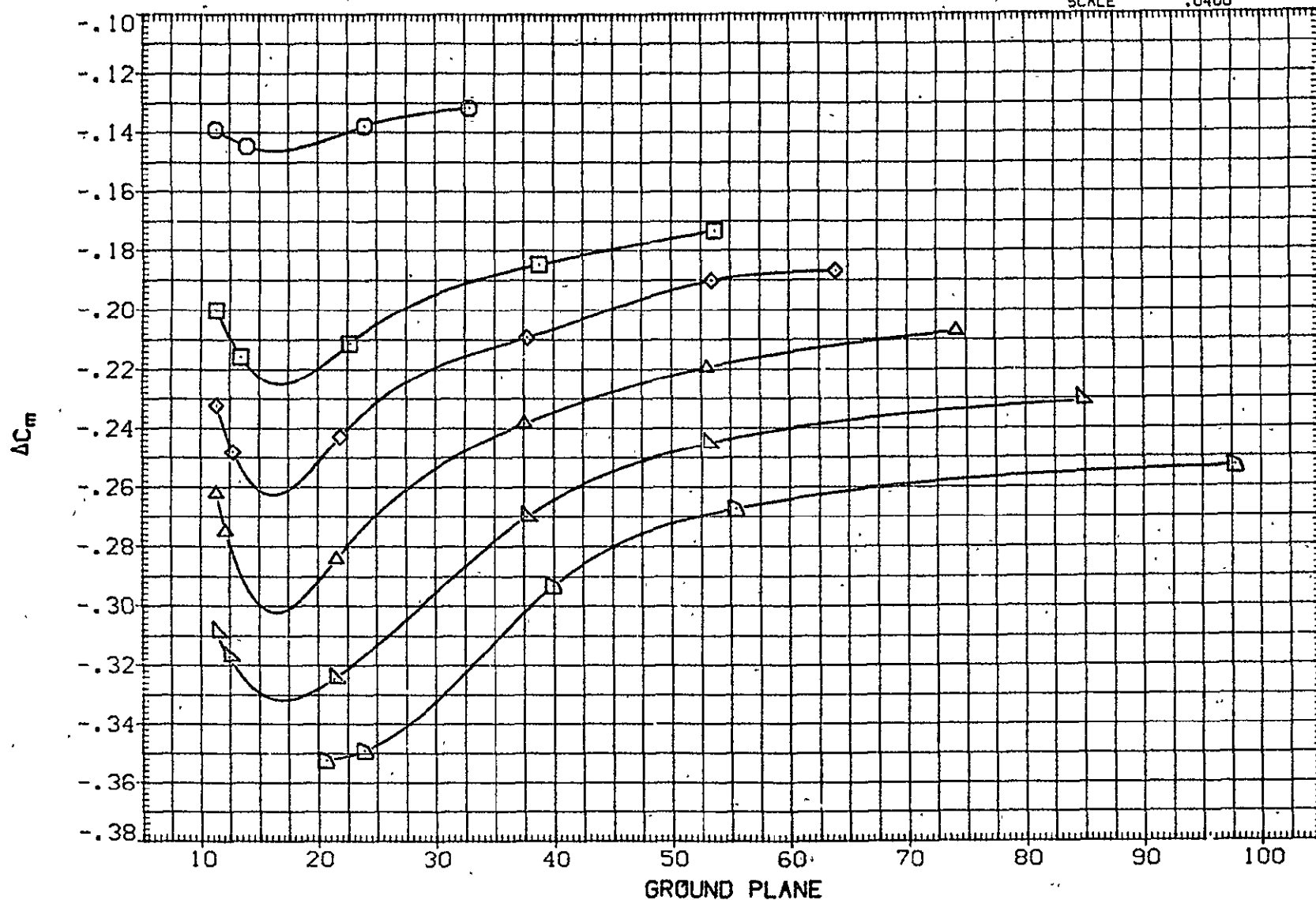


FIG 221 ALT CONFIG IN GROUND PROXIMITY, STAB = -2, FLAPS 30, IORB=8, TC OFF
CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(UJF241)		(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	.204	8.000	.000	-5.000	SREF	5500.0000	SG.FT.
(UJF242)		(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	4.127	8.000	.000	-5.000	LREF	327.8000	IN.
(UJF243)		(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	6.143	8.000	.000	-5.000	BREF	2348.0000	IN.
(UJF244)		(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	8.137	8.000	.000	-5.000	XMRP	1339.9100	IN.XC
(UJF245)		(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	10.104	8.000	.000	-5.000	YMRP	.0000	IN.YC
(UJF246)		(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	12.217	8.000	.000	-5.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

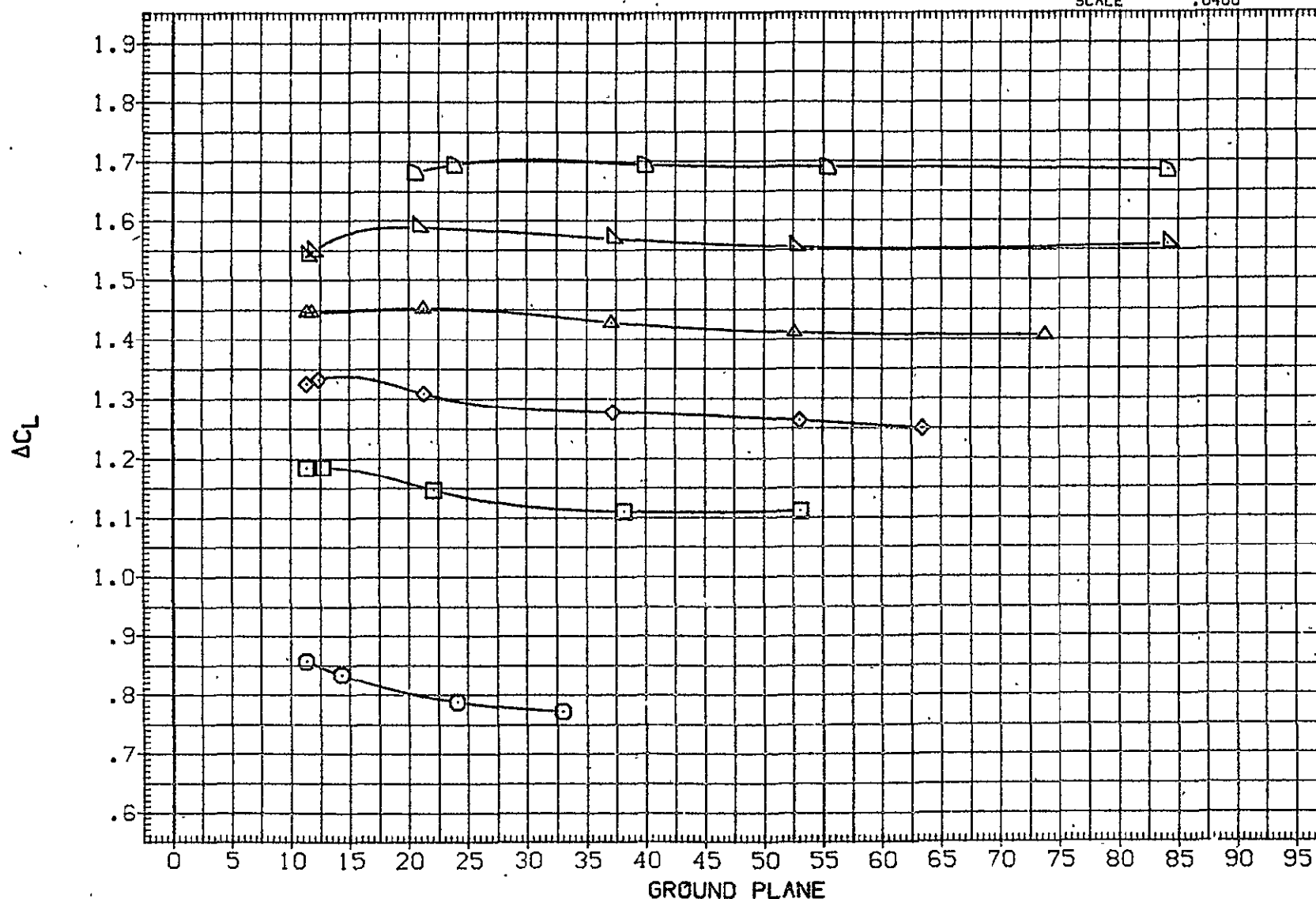


FIG 222 ALT CONFIG IN GROUND PROXIMITY, STAB = 0, ELEVTR=-23, IORB=8, TC OFF
 CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), GP SWEEPS
 (A)MACH = .15 PAGE 741

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(UJF241)	□	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	.204	8.000	.000	-5.000	SREF	5500.0000	SQ.FT.
(UJF242)	◇	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	4.127	8.000	.000	-5.000	LREF	327.8000	IN.
(UJF243)	△	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	6.143	8.000	.000	-5.000	BREF	2348.0000	IN.
(UJF244)	▽	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	8.137	8.000	.000	-5.000	XMRP	1339.9100	IN.XC
(UJF245)	◇	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	10.104	8.000	.000	-5.000	YMRP	.0000	IN.YC
(UJF246)	□	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	12.217	8.000	.000	-5.000	ZMRP	190.7500	IN.ZC
							SCALE	.0400	

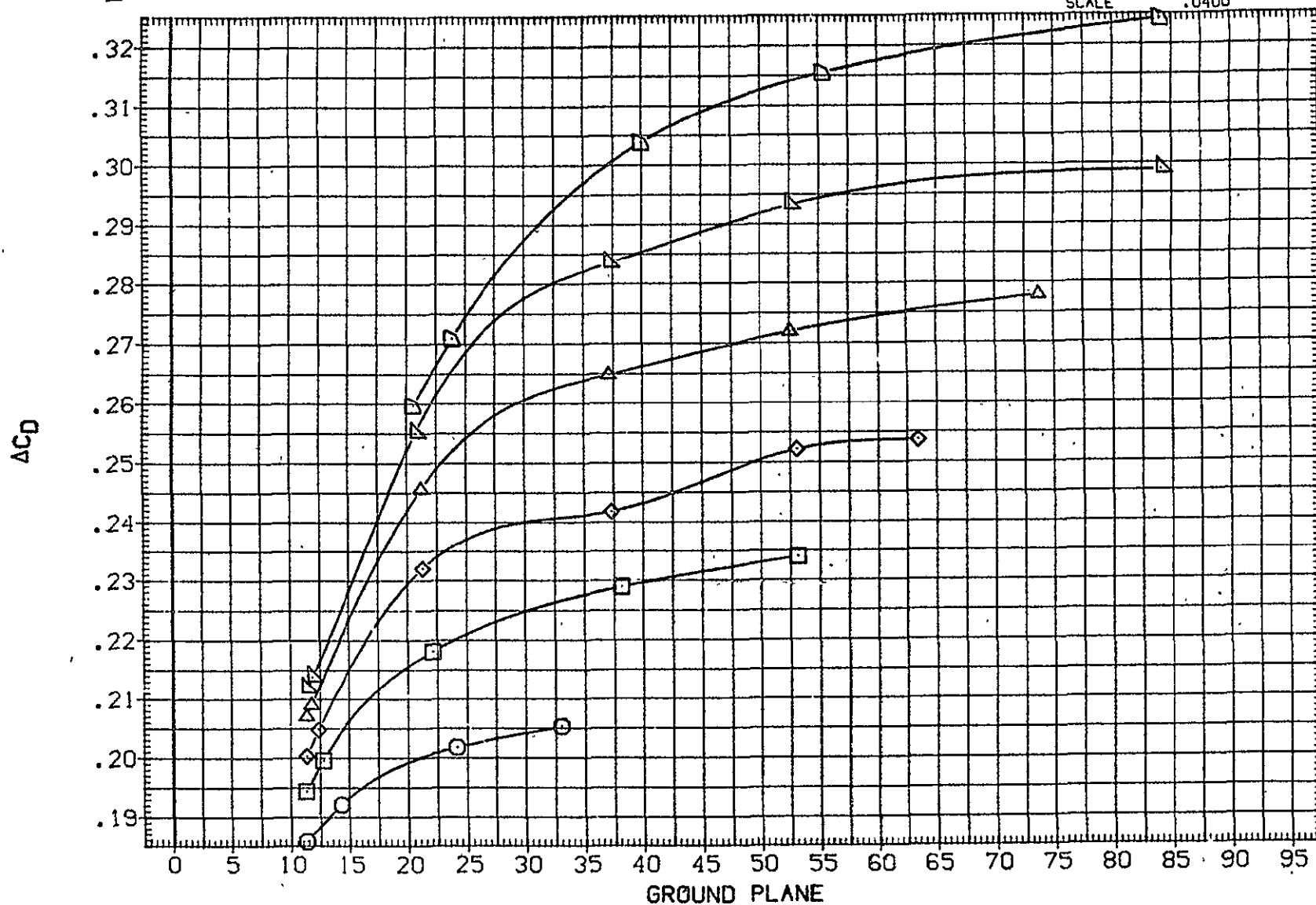


FIG 222 ALT CONFIG IN GROUND PROXIMITY, STAB = 0, ELEVTR=-23, IORB=8, TC OFF
CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAM	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(UJF241)	□	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	.204	8.000	.000	-5.000	SREF	5500.0000	50. FT.
(UJF242)	◇	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	4.127	8.000	.000	-5.000	LREF	327.8000	IN.
(UJF243)	△	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	6.143	8.000	.000	-5.000	BREF	2348.0000	IN.
(UJF244)	▽	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	8.137	8.000	.000	-5.000	XMRP	1339.9100	IN. XC
(UJF245)	△	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	10.104	8.000	.000	-5.000	YMRP	.0000	IN. YC
(UJF246)	◇	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	12.217	8.000	.000	-5.000	ZMRP	190.7500	IN. ZC
							SCALE	.0400	

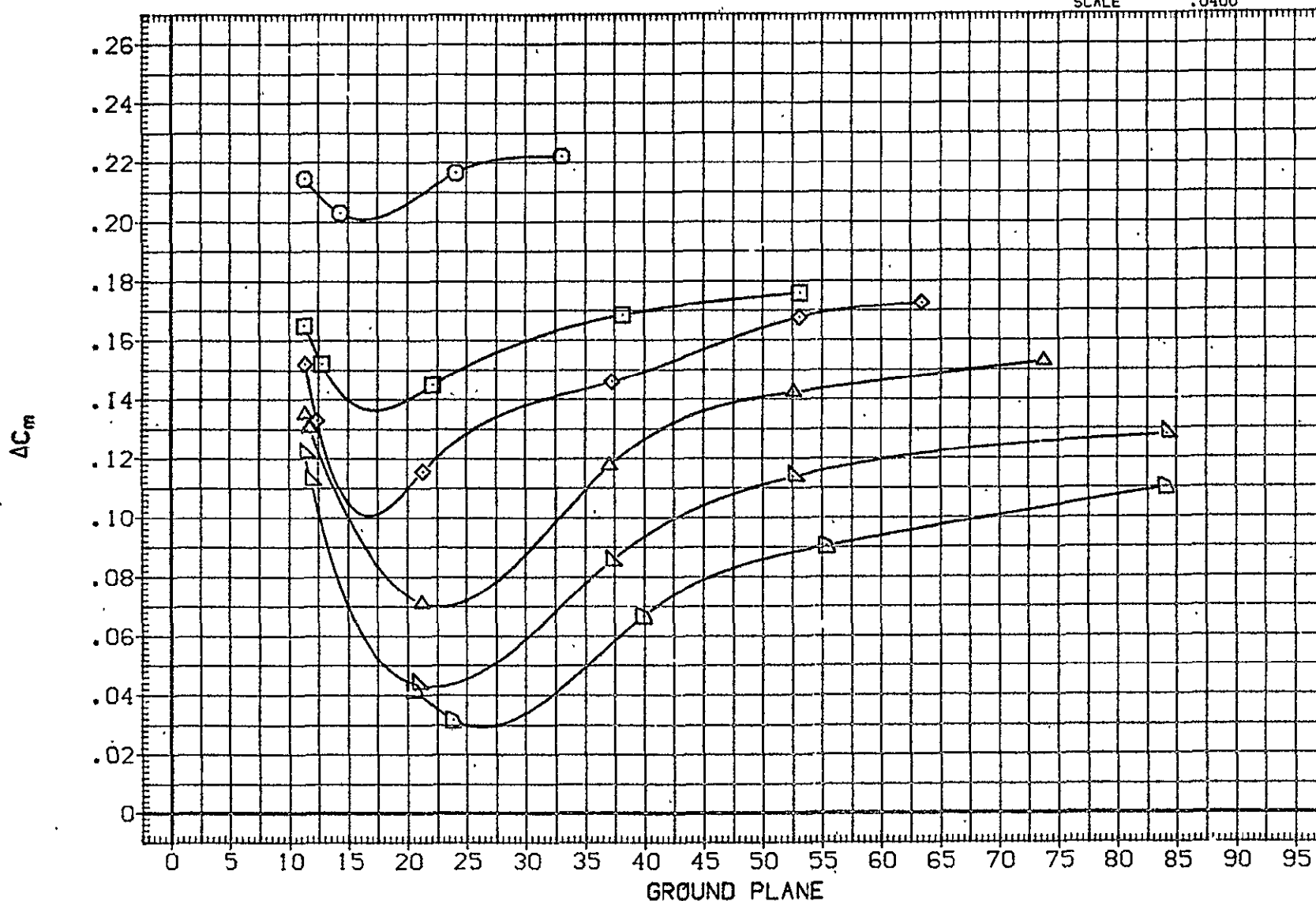


FIG 222 ALT CONFIG IN GROUND PROXIMITY. STAB = 0, ELEVTR=-23, IORB=8, TC OFF
 CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE). GP SWEEPS
 (A)MACH = .15 PAGE 743